imagine the perfect environment

Split System Air Conditioning from Samsung

BUILT-IN AIR CONDITIONER

SAMSUNG

Samsung Brand Value

Conducted by Interbrand on the world's top 100 brands

Samsung The Customer Driven Brand

A brand is created by its customers. That is our novel perspective at Samsung. Business Week and Interbrand ranked the Samsung brand 20th worldwide, giving it the biggest gain in value of any Global 100 brand, with a 186% surge. However, the impact of our advertising and marketing, such as our ongoing Olympics partnership, is far outweighed by the voices of our customers. We are fortunate in having excellent customers whose choices have created the Samsung brand.

Contents

2007

Split System Air Conditioners

01 Introduction
- 01 Samsung Brand Value
- 02 Contents

02 Technology
- 03 Smart Inverter Technology
- 04 Micro Plasma Ion and Good Sleep Mode
- 05 Silver Nano and Multi-Step Purifying System
- 06 Other Features

03 Wall Mounted
- 07 Vivace
- 09 Moderato
- 13 Forte

04 Free Joint Multi
- 17 Smart Inverter Technology
- 18 Specifications

05 Built-in Series
- 19 1-Way Cassette
- 21 2-Way Cassette
- 23 Mini 4-Way Cassette
- 25 4-Way Cassette
- 27 Duct Type
- 31 Ceiling Floor Type
- 33 Accessories

06 Control Systems
- 34 Smart Remote Controllers
- 35 S-Net
- 37 DMS (Data Management Server)
- 38 Interface Modules

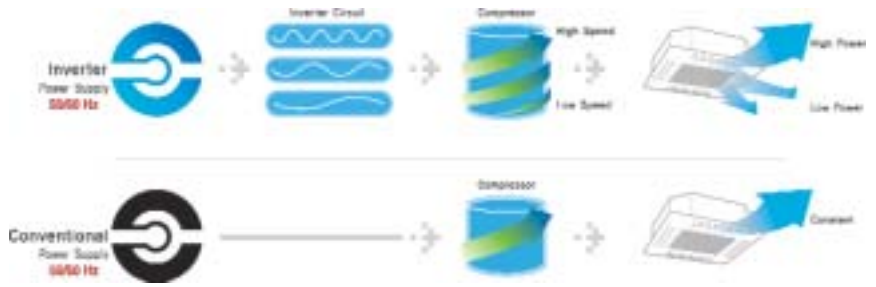
07 Accessories
- 39 Accessories

Samsung's commitment to research and development means that we reserve the right to amend specifications without notice. E&OE.

smart inverter Technology

The secret of Samsung's energy-conserving, high-performance air conditioners is its Smart Inverter technology. Smart Inverter technology allows for prompt and powerful heating and cooling with minimum power consumption. In cooperation with Samsung's DC rotary compressor, the desired room temperature is reached quickly and then precisely maintained, ensuring you greater comfort. Quiet and vibration-free, Samsung's Smart inverter air conditioners provide smooth, reliable, and efficient performance.

Why You Should Choose a Smart Inverter Air Conditioner



. Achieves set temperature quicker

. Low noise levels

. Increase comfort through constant temperature

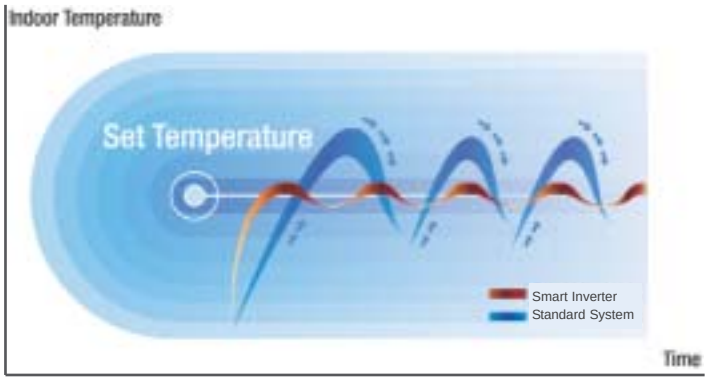
. Reduce power consumption by 40%

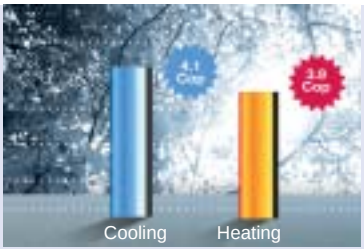
. Saves energy and money

. Wide operation range

High efficiency inverter control

- Rapid attainment of set temperature through turbo function
- Finely controlled low power operation results in less temperature fluctuation and more comfortable room conditions
- Up to 40% more energy efficient than conventional systems - LOW ENERGY COSTS
- Excellent part load performance characteristics providing energy savings in normal everyday use.





- DC inverter function results in excellent energy efficiency
- Excellent COP and EER performance
- Dependable operation over a wide temperature range

What is the Micro Plasma Ion?

Samsung's Micro Plasma Ion device generates active hydrogen atoms together with oxygen ions into your room. This in an innovative invention to bond the generated active hydrogen atoms and oxygen ions with protein (3H) in a surface of harmful particles such as viruses, bacteria, molds and allergens.

As a result, harmful particles decompose to form water, H20.
This is a world's first for Air Conditioning technology, so by choosing Samsung MPI you are choosing the very latest technology available.

Micro Plasma Ion decomposes VIRUSES, BACTERIA and ALLERGENS

STEP 1

The active hydrogen and oxygen ions cohere to the surface (3H) of the viruses, bacteria and allergens drifting in the air.

STEP 2

The atoms and ions bond with hydrogen atoms (3H) existing in the surface of harmful particles and destroy the protein of the membranes.

STEP 3

The harmful particles are decomposed, the atoms and ions that bonded with the hydrogen of the particles is changed in to harmless water.

Micro Plasma Ion decomposes active oxygen (OH Radical)

STEP 1

The active hydrogen released from the Micro Plasma Ion adheres to active oxygen in the air.

STEP 2

The active hydrogen and active oxygen react.

STEP 3

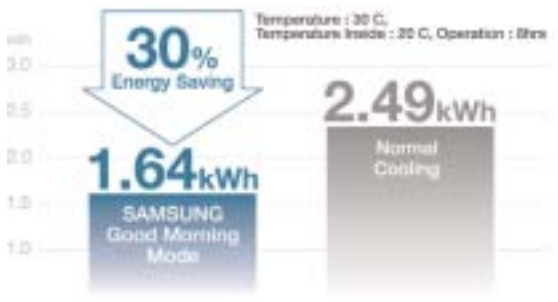
And changes into harmless water.

Good sleep mode helps to ensure you are refreshed to face everyday!

Are You Really Enjoying Good Sleep?

In residential environments, good sleep is vital and Good Sleep mode helps to deliver this. By keeping the body temperature at the optimum levels a more refreshing deeper sleep can be achieved rather than leaving the system set at one fixed level.

Energy Saving



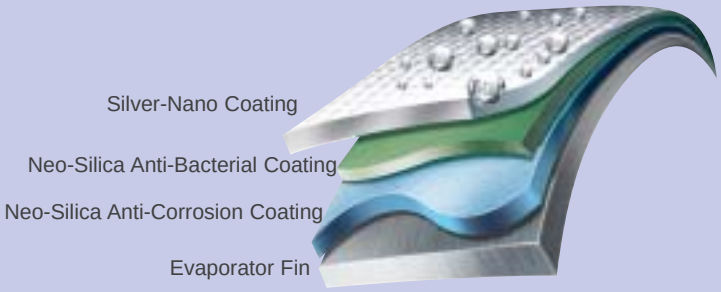
The Good Morning Mode reduces up to 30% of electricity consumption compared with a normal cooling mode.

Apart from providing accurate and precise temperature control, modern air conditioning systems are expected to improve the overall quality of the air.
The clever use of Silver Nano and Bionizer Technology puts Samsung wall mounted systems at the forefront in terms of meeting this expectation.

Silver Nano

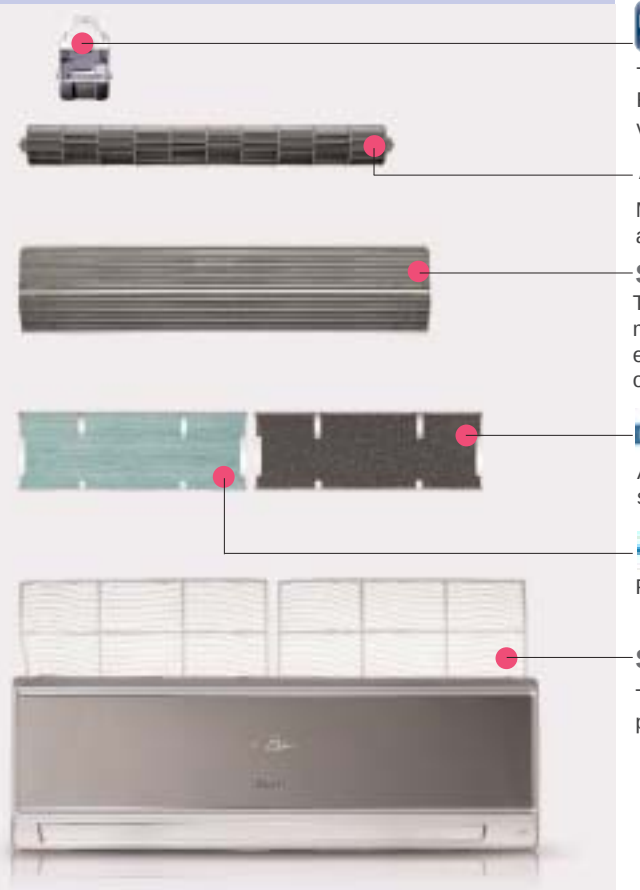
The coating of billions of Silver nano ions that line the interior of Samsung's air conditioners safely and effectively kill bacteria, viruses and fungi to leave the conditioned air clean and fresh.

Silver Nano has the power to remove 99.9% of all dust particles and viruses, functioning as an incomparable dust collector.



Multi-Step Purifying System

The Samsung Multi-Step Air Purifying System removes almost all harmful elements to human beings by using various filters. At the same time, the system also keeps the interior of the air conditioner ultra-clean, so only ultra-fresh air is produced.



mpi

The world's first harmless active hydrogen atom and ion generator. Removes harmful particles in the air, such as influenza virus, SARS virus, bird flu virus, MRSA, bacteria, fungi and allergen particles.

Anti-Bacterial Cross Fan

Molded with an antibacterial formula to suppress proliferation of molds and bacteria, preventing the causes of unpleasant odors.

Silver Coated Evaporator

The fins of the evaporator are triple coated with environmentally friendly materials (2 layers of chrome-free silica, 1 layer of Silver coating) to ensure efficient removal of condensation and to guarantee the production of clean and fresh air.

Deodorizing Filter

Activated carbon is incorporated in the filter, efficiently absorbing cigarette smoke, pet odors and other unpleasant smells.

ANTI-allergy filter

Protect you from allergy-causing particles, even if you raise pets.

Silver Coated filter

The silver-nano coating applied to the filter, serves to trap and remove dust particles to provide you fresher and healthier air.

Samsung Air Conditioning Systems provide a host of useful and practical features to enhance the functionality of each unit depending upon each model from the wide range on offer.

Auto re-start

Samsung air conditioners are equipped with an auto re-start function to enable start up at last settings after a power break.

Bio Components

System components are impregnated with bacteria and mould inhibitors.

Extremely Quiet

Inside and outside, Samsung Inverter Air Conditioning systems are extremely quiet. Because the air conditioner's compressor works at a lower speed, once the desired temperature is reached and maintained, this results in a quieter motor and fan as well as less vibration.

Long Life Filters & Anti Allergy Filter

2000 hours of use under normal conditions.

Will remove invisible dust and bacteria, resulting in helping you avert allergy problems associated with such allergens.

High Head lift pumps

Allowing convenient positioning of units and removal of condensate.

Self Diagnostic functions

Easily identify system status.

BAC range compatible with DVM control

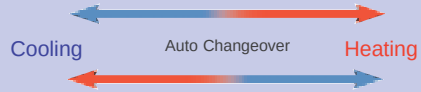
Permitting split systems and VRF systems to be controlled together, including S Net controls.

Digital i

Displaying at glance system information for the user.

Auto Changeover and Waterfall Heating Air Flow

Auto Changeover
Thanks to Auto Changeover capability adopted in Samsung Air Conditioners, the appropriate operating mode of the air conditioner can be automatically selected (Cooling or Heating) according to the temperature set. Thus, when a temperature is selected in the auto mode, the machine heats and cools as required to maintain that setting.



Waterfall Heating Air Flow
Feature a wide-angle blade system
The wide-angle blade system can open the blades to an angel of 90 degrees. You can control air flow direction vertically and horizontally, providing even distribution of air to any place of the room.

Dependable High Performance in Low Temperatures

Even in low temperatures Samsung systems offer reliable heating capacity. This allows them to be used as an alternative to traditional heating systems as well as providing excellent cooling characteristics.
Cooling to -10^{0}C and heating to -5^{0}C is standard for inverter range

VIVACE

Vivace Inverter

	Model Number ■ Heat Pump
9000 Btu/h	■ AQV09VBA (Inverter)
12000 Btu/h	■ AQV12VBA (Inverter)
18000 Btu/h	■ AQV18VBA (Inverter)
24000 Btu/h	■ AQV24VBA (Inverter)

Features

- Micro Plasma Ion
- Good Sleep Mode
- Smart Inverter
- Silver Coated Evaporator
- Deodorizing Filter
- Pure Filter
- Allergy Filter
- Dehumidification
- Turbo Mode / Sleep Mode
- Timer
- Energy Saving Mode
- Auto Restart
- Auto Changeover
- Auto Fan
- Auto Clean

mpi | good sleep Mode | smart inverter | Silver Coated Filter

Deodorizing Filter | Pure Filter | ANTI-allergy filter | Silver Coated Evaporator

Specifications

			Smart Inverter	Smart Inverter	Smart Inverter	Smart Inverter
Refrigerant Type			R410a	R410a	R410a	R410a
Power Source		V/Hz/Φ	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1
Model Code			**AQV09VBA**	**AQV12VBA**	**AQV18VBA**	**AQV24VBA**
Performance						
Capacity	Cooling	Btu/hr.	8530	11942	17060	23202
		Cal/hr.	2149	3009	4299	5846
		kW	2.5	3.5	5	6.8
	Heating	Btu/hr.	11942	13648	20472	27297
		Cal/hr.	3009	3439	5159	6878
		kW	3.5	4	6	8
Energy Efficiency	Cooling	EER(Btu/W)	13.99	11.60	11.02	10.27
		EER(W/W)	4.1	3.4	3.23	3.01
	Heating	COP(W/W)	4.1	3.64	3.41	2.81
Moisture Removal		1/hr.	1	1.4	2.5	3
Air Circulation (Max)		m^3/min	8	9	13	15
Noise Level	Indoor High/Low	dB	31/21	35 / 21	40 / 30	41 / 30
	Outdoor High	dB	45	45	54	56
Electrical Data						
Power Consumption	Cooling	W	610	1030	1548	2260
	Heating	W	850	1099	1760	2850
Operating Current	Cooling	A	3	5	7	10.6
	Heating	A	4.1	5.3	8	13
Dimension & Loading Q'ty						
Net Dimension (WxHxD)	Indoor	mm	825x285x189	825x285x189	1065x298x218	1065x298x218
	Outdoor	mm	720x548x265	720x548x265	880x638x310	880x638x310
Net Weight	Indoor	kg	9	9	13	13
	Outdoor	kg	34	34	46	50
Technical Information						
SVC Valve	Liquid	ODxL	φ6.35mmx5m	φ 6.35mmx5m	φ6.35mmx5m	φ 6.35mmx5m
	Gas	ODxL	Φ9.52mmx5m	Φ 9.52mmx5m	Φ12.7mmx5m	Φ15.88mmx5m
Piping Length	STD	mm	5	5	5	5
	Max	mm	15	15	30	30
Piping Height	Max	mm	8	8	15	15
Refrigerant		G	750	850	1450	1450
Add Refrigerant		g/m	15	15	15	15

MODERATO

Moderato Inverter

	Model Number	Heat Pump
9000 Btu/h	AQV09MSA (Inverter)	
12000 Btu/h	AQV12MSA (Inverter)	
18000 Btu/h	AQV18MSA (Inverter)	
24000 Btu/h	AQV24MSA (Inverter)	

Features

. Sleek and Slim Design only 117mm deep
· Micro Plasma Ion
· Good Sleep Mode
· Smart Inverter
· Silver Coated Evaporator
· Deodorizing Filter
· Catechin Filter
· Dehumidification
· Turbo Mode / Sleep Mode
· Timer
· Energy Saving Mode
· Auto Restart
· Auto Changeover
· Auto Fan
· Auto Clean

mpi good sleep smart inverter **Silver Coated Filter**

Deodorizing Filter **Catechin Filter** **Silver Coated Evaporator**

Specifications

			Smart Inverter	Smart Inverter	Smart Inverter	Smart Inverter
Refrigerant Type			R410a	R410a	R410a	R410a
Power Source		V/Hz/Φ	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1
Model Code			**AQV09MSA**	**AQV12MSA**	**AQV18MSA**	**AQV24MSA**
Performance						
Capacity	Cooling	Btu/hr.	8530	11942	17060	23202
		Cal/hr.	2149	3009	4299	5846
		kW	2.5	3.5	5	6.8
	Heating	Btu/hr.	11942	13648	20472	27297
		Cal/hr.	3009	3439	5159	6878
		kW	3.5	4	6	8
Energy Efficiency	Cooling	EER(Btu/W)	13.14	11.26	10.95	10.27
		EER(W/W)	3.85	3.30	3.21	3.01
	Heating	COP(W/W)	3.65	3.62	3.41	2.81
Moisture Removal		1/hr.	1	1.4	2.5	3
Air Circulation (Max)		m^3/min	7.5	8.5	13	15
Noise Level	Indoor High/Low	dB	31 / 22	36 / 22	40 / 30	41 / 30
	Outdoor High	dB	45	45	54	56
Electrical Data						
Power Consumption	Cooling	W	650	1060	1560	2260
	Heating	W	960	1105	1760	2850
Operating Current	Cooling	A	3.1	5.1	7	10.6
	Heating	A	4.6	5.3	8	13
Dimension & Loading Q'ty						
Net Dimension (WxHxD)	Indoor	mm	950x268x175	950x268x175	1099x315x216	1099x315x216
	Outdoor	mm	720x548x265	720x548x265	880x638x310	880x638x310
Net Weight	Indoor	kg	9	9	13	13
	Outdoor	kg	34	34	46	50
Technical Information						
SVC Valve	Liquid	ODxL	φ 6.35mmx5m	φ 6.35mmx5m	φ 6.35mmx5m	φ 6.35mmx5m
	Gas	ODxL	Φ 9.52mmx5m	Φ 9.52mmx5m	Φ 12.7mmx5m	Φ15.88mmx5m
Piping Length	STD	mm	5	5	5	5
	Max	mm	15	15	30	30
Piping Height	Max	mm	8	8	15	15
Refrigerant		G	750	850	1450	1450
Add Refrigerant		g/m	15	15	15	15

MODERATO

Moderato

	Model Number ■ Heat Pump
9000 Btu/h	■ AQ09MSB
12000 Btu/h	■ AQ12MSB
18000 Btu/h	■ AQ18MSB
24000 Btu/h	■ AQ24MSB

Features

. Sleek and Slim Design only 117mm deep
· Good Sleep Mode
· Silver Coated Filter
· Silver Coated Evaporator
· Deodorizing Filter
· Catechin Filter
· Dehumidification
· Turbo Mode / Sleep Mode
· Timer
· Energy Saving Mode
· Auto Restart
· Auto Changeover
· Auto Fan
· Auto Clean

good sleep Mode — Silver Coated Filter — Silver Coated Evaporator

Deodorizing Filter — Catechin Filter

Specifications

			HP	HP	HP	HP
Refrigerant Type			R410a	R410a	R410a	R410a
Power Source		V/Hz/ϕ	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1
Model Code			**AQ09MSB**	**AQ12MSB**	**AQ18MSB**	**AQ24MSB**
Performance						
Capacity	Cooling	Btu/hr.	9000	12000	18000	24000
		Cal/hr.	2322	3095	4471	5847
		kW	2.7	3.6	5.2	6.8
	Heating	Btu/hr.	10000	13000	20000	24000
		Cal/hr.	2494	3267	4987	6019
		kW	2.9	3.8	5.8	7
Energy Efficiency	Cooling	EER(Btu/W)	11.02	11.02	9.58	9.58
		EER(W/W)	3.23	3.23	2.81	2.81
	Heating	COP(W/W)	3.44	3.22	3.22	2.81
Moisture Removal		1/hr.	1	1.3	1.9	2.6
Air Circulation (Max)		m^3/min	8	9	15	17
Noise Level	Indoor High/Low	dB	31 / 22	36 / 26	40 / 32	42 / 35
	Outdoor High	dB	45	45	52	55
Electrical Data						
Power Consumption	Cooling	W	836	1115	1850	2420
	Heating	W	843	1180	1800	2490
Operating Current	Cooling	A	3.9	5	8.4	10.8
	Heating	A	3.7	5.3	8.2	11.2
Dimension & Loading Q'ty						
Net Dimension (WxHxD)	Indoor	mm	950*268*178	950*268*178	1099*315*217	1099*315*217
	Outdoor	mm	720*548*265	720*548*265	790*548*285	880*638*310
Net Weight	Indoor	kg	9	9	13	13
	Outdoor	kg	34	34	40	55
Technical Information						
SVC Valve	Liquid	ODxL	Φ 6.35mmx5m	Φ 6.35mmx5m	Φ 6.35mmx5m	Φ 6.35mmx5m
	Gas	ODxL	Φ 9.52mmx5m	Φ 12.7mmx5m	Φ 12.7mmx5m	Φ 15.88mmx5m
Piping Length	STD	mm	5	5	5	5
	Max	mm	15	15	15	20
Piping Height	Max	mm	7	7	8	8
Refrigerant		G	750	850	1450	1450
Add Refrigerant		g/m	15	15	15	15

FORTE

Forte Inverter

	Model Number	Heat Pump
9000 Btu/h	AQV09FA (Inverter)	
12000 Btu/h	AQV12FA (Inverter)	
18000 Btu/h	AQV18FA (Inverter)	
24000 Btu/h	AQV24FA (Inverter)	

Features

- Good Sleep Mode
- Smart Inverter
- Silver Coated Filter
- Silver Coated Evaporator
- Deodorizing Filter
- Catechin Filter
- Dehumidification
- Turbo Mode / Sleep Mode
- Timer
- Auto Restart
- Auto Changeover
- Auto Fan
- Auto Grille

good sleep Mode | smart inverter | Silver Coated Evaporator

Deodorizing Filter | Catechin Filter | Silver Coated Filter

Specifications

			Smart Inverter	Smart Inverter	Smart Inverter	Smart Inverter
Refrigerant Type			R410a	R410a	R410a	R410a
Power Source		V/Hz/φ	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1
Model Code			**AQV09FA**	**AQV12FA**	**AQV18FA**	**AQV24FA**
Performance						
Capacity	Cooling	Btu/hr.	8530	11260	17061	23202
		Cal/hr.	2149	2837	4299	5847
		kW	2.5	3.3	5.0	6.8
	Heating	Btu/hr.	11260	13648	20473	27297
		Cal/hr.	2837	3439	5159	6878
		kW	3.3	4.0	6.0	8.0
Energy Efficiency	Cooling	EER(Btu/W)	11.60	10.95	11.05	10.27
		EER(W/W)	3.4	3.21	3.24	3.01
	Heating	COP(W/W)	3.63	3.61	3.41	2.81
Moisture Removal		1/hr.	1	1.4	2.5	3
Air Circulation (Max)		m^3/min	7	8	13	15
Noise Level	Indoor High/Low	dB	33 / 23	36 / 23	40 / 30	41 / 30
	Outdoor High	dB	45	47	54	56
Electrical Data						
Power Consumption	Cooling	W	735	1028	1543	2260
	Heating	W	910	1108	1760	2850
Operating Current	Cooling	A	3.6	5	7	10.6
	Heating	A	4.4	5.3	8	13
Dimension & Loading Q'ty						
Net Dimension (WxHxD)	Indoor	mm	825x285x189	825x285x189	1065x298x218	1065x298x218
	Outdoor	mm	720x548x265	720x548x265	880x638x310	880x638x310
Net Weight	Indoor	kg	8	8	13	13
	Outdoor	kg	32	32	46	50
Technical Information						
SVC Valve	Liquid	ODxL	φ 6.35mmx5m	φ 6.35mmx5m	φ 6.35mmx5m	φ 6.35mmx5m
	Gas	ODxL	φ 9.52mmx5m	φ 9.52mmx5m	φ 12.7mmx5m	φ 15.88mmx5m
Piping Length	STD	mm	5	5	5	5
	Max	mm	15	15	30	30
Piping Height	Max	mm	7	7	15	15
Refrigerant		G	750	850	1450	1450
Add Refrigerant		g/m	15	15	15	15

FORTE

Forte

	Model Number ■ Heat Pump
9000 Btu/h	■ AQ09FA
12000 Btu/h	■ AQ12FA
18000 Btu/h	■ AQ18FA
24000 Btu/h	■ AQ24FA

Features

- Good Sleep Mode
- Smart Inverter
- Silver Coated Filter
- Silver Coated Evaporator
- Deodorizing Filter
- Catechin Filter
- Dehumidification
- Turbo Mode / Sleep Mode
- Timer
- Auto Restart
- Auto Changeover
- Auto Fan
- Auto Grille

good sleep Mode

Deodorizing Filter

Silver Coated Filter **Silver Coated Evaporator**

Catechin Filter

Specifications

			HP	HP	HP	HP
Refrigerant Type			R410a	R410a	R410a	R410a
Power Source		V/Hz/Φ	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1
Model Code			**AQ09FA**	**AQ12FA**	**AQ18FA**	**AQ24FA**
Performance						
Capacity	Cooling	Btu/hr.	9384	11944	17404	23205
		Cal/hr.	2365	3010	4386	5848
		kW	2.75	3.5	5.1	6.8
	Heating	Btu/hr.	9896	12967	19792	23887
		Cal/hr.	2494	3268	4988	6020
		kW	2.9	3.8	5.8	7
Energy Efficiency	Cooling	EER(Btu/W)	9.58	9.63	9.61	9.58
		EER(W/W)	2.81	2.82	2.817	2.80
	Heating	COP(W/W)	3.22	3.22	3.22	2.81
Moisture Removal		1/hr.	1	1.5	1.8	2.4
Air Circulation (Max)		m^3/min	7.5	8	13	14.5
Noise Level	Indoor High/Low	dB	32 / 24	36 / 26	40 / 32	42 / 35
	Outdoor High	dB	46	47	52	55
Electrical Data						
Power Consumption	Cooling	W	980	1240	1810	2420
	Heating	W	900	1180	1800	2490
Operating Current	Cooling	A	4.5	5.7	8.3	10.8
	Heating	A	4.5	5.3	8	11.2
Dimension & Loading Q'ty						
Net Dimension (WxHxD)	Indoor	mm	825x285x189	825x285x189	1065x298x218	1065x298x218
	Outdoor	mm	660x475x242	720x548x265	790x548x285	880x638x310
Net Weight	Indoor	kg	8	9	11	13
	Outdoor	kg	26	34	39	56
Technical Information						
SVC Valve	Liquid	ODxL	Φ 6.35mmx7.5m	Φ 6.35mmx7.5m	Φ 6.35mmx7.5m	Φ 6.35mmx7.5m
	Gas	ODxL	Φ 9.52mmx7.5m	Φ 12.7mmx7.5m	Φ 12.7mmx7.5m	Φ 15.9mmx7.5m
Piping Length	STD	mm	7.5	7.5	7.5	7.5
	Max	mm	15	15	15	20
Piping Height	Max	mm	7	7	8	8
Refrigerant		G	680	950	1210	1500
Add Refrigerant		g/m	20	20	30	40

Free Joint Multi employs Smart Inverter Technology and new system design that results in a range of benefits.

- High Efficiency Operation conserving Energy. Allows accurate control of set point across one or all indoor units.
- Reduced Running costs by matching required demand closely.
- Flexible zoning with 170% capacity combination.
- Free Connection to any combination of indoor unit styles. Wall mounted units, cassette units and ducted units can work on the same outdoor unit.
- Can operate across different floors with a vertical separation of 15m.
- Flexible layout with up to 20M pipe run for individual units within a 70M total system pipe run.

Indoor Unit Line-up Combination Table

Indoor Unit	Model	MH040FXEA2A	MH052FXEA2A	MH060FXEA3A	MH070FXEA4A	MH080FXEA4
Vivace	MH023FVEA	✓	✓	✓	✓	✓
	MH026FVEA	✓	✓	✓	✓	✓
	MH035FVEA	✓	✓	✓	✓	✓
	MH052FVEA		✓	✓	✓	✓
Prestige	MH020FWEA	✓	✓	✓	✓	✓
	MH026FWEA	✓	✓	✓	✓	✓
	MH035FWEA	✓	✓	✓	✓	✓
	MH052FWEA		✓	✓	✓	✓
Premium	MH020FPEA	✓	✓	✓	✓	✓
	MH026FPEA	✓	✓	✓	✓	✓
	MH035FPEA	✓	✓	✓	✓	✓
	MH052FPEA1		✓	✓	✓	✓
1Way cassette	MH026FKEA	✓	✓	✓	✓	✓
	MH035FKEA	✓	✓	✓	✓	✓
Mini 4Way cassette	MH030FMEA			✓	✓	✓
	MH035FMEA			✓	✓	✓
	MH052FMEA			✓	✓	✓
Slim duct	MH026FEEA			✓	✓	✓
	MH035FEEA			✓	✓	✓
	MH052FEEA				✓	✓

Please consult your distributor for full combination tables

Outdoor Unit Line-up

Model				MH040FXEA2A	MH052FXEA2A	MH060FXEA3A	MH070FXEA4A	MH080FXEA4A
Power Source			Ø,V,Hz	1,220~240,50	1,220~240,50	1,220~240,50	1,220~240,50	1,220~240,50
Mode				Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Max number of connectable indoor units				2	2	3	4	4
Performance	Horse Power		HP	1.5	1.8	2.0	2.5	3.0
	Cooling		kW	1.5~4.1~4.7	1.5~5.2~6.5	1.5~5.9~6.8	1.9~7.0~8.9	1.9~8.0~9.3
			Btu/h	13900	17700	20400	23800	27200
	Heating		kW	1.5~4.7~5.3	2.2~5.8~6.8	2.2~6.3~7.3	2.3~8.6~10.3	2.3~9.3~10.9
			Btu/h	16000	19700	21400	29300	31700
	Sound Level	Sound Pressure (Cooling/Heating)	dB(A)	51/51	51/51	51/51	53/54	53/54
Power	Running Current	Cooling	A	2.4~5.6~6.8	2.5~7.4~11.1	2.1~8.1~10.0	2.2~9.4~13.2	2.2~11.4~13.7
		Heating	A	1.9~5.7~6.8	2.6~7.3~8.4	2.2~7.8~9.9	2.3~10.9~13.0	2.3~11.8~13.4
	Input Power	Cooling	W	530~1215~1480	555~1658~2420	470~1769~2190	490~2050~2889	490~2490~2998
		Heating	W	410~1239~1487	560~1605~1834	480~1700~2160	510~2380~2832	510~2575~2929
	MCCB		A	10	14	16.6	18	18
Compressor	Type		-	SINGLE BLDC INV.	SINGLE BLDC INV.	TWIN BLDC INV.	TWIN BLDC INV.	TWIN BLDC INV.
	Output		kW	3.19	4.19	5.86	10.85	10.85
	Lubricant	Type	-	PVE	POE	POE	POE	POE
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A
	Charging		kg	1.4	1.7	2	2.9	2.9
Fan	Type		-	Propeller	Propeller	Propeller	Propeller	Propeller
	Output		W	-	-	-	-	-
	Air Flow Rate		CMM	40	43	43	53	53
Dimension	Net Weight		kg	37	55	57	71	71
	Net Dimension(WxHxD)		mm	790x548x285	880x638x310	880x638x310	880x798x310	880x798x310
Piping	Connecting Pipe	Liquid	Ø(mm)	3/8 2EA	3/8 1EA+1/2 1EA	3/8 2EA+1/2 1EA	3/8 2EA+1/2 2EA	3/8 2EA+1/2 2EA
		Gas	Ø(mm)	1/4 2EA	1/4 2EA	1/4 3EA	1/4 4EA	1/4 4EA
	Piping Limitation	Max. Length	m	30	30	45	70	70
		Max. Height	m	15	15	15	15	15
Operating Temp. Range	Cooling		°C	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43
	Heating		°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24

Indoor Unit Specifications

Vivace / Prestige

Model				MH023FVEA	MH026FVEA	MH035FVEA	MH052FVEA	MH020FWEA	MH026FWEA	MH035FWEA	MH052FWEA
Power Source			Ø,V,Hz	1,220~240,50	1,220~240,50	1,220~240,50	1,220~240,50	1,220~240,50	1,220~240,50	1,220~240,50	1,220~240,50
Mode				Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Performance	Cooling		kW	2.6	2.6	3.5	5.2	2.0	2.6	3.5	5.2
			Btu/h	8800	8800	11900	17700	6800	8800	11900	17700
	Heating		kW	2.9	2.9	3.8	5.6	2.2	2.9	3.8	5.6
			Btu/h	9800	9800	12900	19100	7500	9800	12900	19100
	Sound Pressure(High/Low)		dB(A)	33/21	33/21	36/28	41/36	29/21	33/21	36/28	41/36
Power	Fan	Type	-	Cross flow fan	Cross flow fan	Cross flow fan	Cross flow fan	Cross flow fan	Cross flow fan	Cross flow fan	Cross flow fan
		Air Flow Rate (Cooling/Heating)	m^3/min	7.0/7.3	7.0/7.3	8.2/8.8	13.3/14.0	6.5/6.6	7.0/7.3	8.2/8.8	13.3/14.0
	Running Current	Cooling/Heating	A	0.18/0.18	0.18/0.18	0.19/0.19	0.3/0.3	0.18/0.18	0.18/0.18	0.19/0.19	0.3/0.3
	Power Input	Cooling/Heating	W	30/30	30/30	35/35	50/50	30/30	30/30	35/35	50/50
Piping	Connecting Pipe	Liquid	Ø(mm)	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
		Gas	Ø(mm)	9.52	9.52	9.52	12.70	9.52	9.52	9.52	12.70
		Drain	Ø(mm)	ID:18	ID:18	ID:18	ID:18	ID:18	ID:18	ID:18	ID:18
Dimension	Net Weight		kg	8.5	8.5	8.5	12.0	9.0	9.0	9.0	13.0
	Net Dimension(WxHxD)		mm	825x285x189	825x285x189	825x285x189	1065x298x214	950x268x165	950x268x165	950x268x165	1099x315x200

Premium / 1Way cassette

Model				MH020FPEA	MH026FPEA	MH035FPEA	MH052FPEA1	MH026FKEA	MH035FKEA
Power Source			Ø,V,Hz	1,220~240,50	1,220~240,50	1,220~240,50	1,220~240,50	1,220~240,50	1,220~240,50
Mode				Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Performance	Cooling		kW	2.0	2.6	3.5	5.2	2.6	3.5
			Btu/h	6800	8800	11900	17700	8800	11900
	Heating		kW	2.2	2.9	3.8	5.6	2.9	3.8
			Btu/h	7500	9800	12900	19100	9800	12900
	Sound Pressure(High/Low)		dB(A)	34/31	36/33	37/34	43/38	36/33	38/35
Power	Fan	Type	-	Cross flow fan	Cross flow fan	Cross flow fan	Cross flow fan	Cross flow fan	Cross flow fan
		Air Flow Rate (Cooling/Heating)	m^3/min	6.5/6.6	7.0/7.8	8.3/8.8	13.3/13.4	7.0/7.5	7.5/8.0
	Running Current	Cooling/Heating	A	0.18/0.18	0.18/0.18	0.19/0.19	0.3/0.3	0.20/0.20	0.23/0.23
	Power Input	Cooling/Heating	W	30/30	30/30	35/35	50/50	40/40	45/45
	Connecting Pipe	Liquid	Ø(mm)	6.35	6.35	6.35	6.35	6.35	6.35
		Gas	Ø(mm)	9.52	9.52	9.52	12.70	9.52	9.52
Piping		Drain	Ø(mm)	ID:18	ID:18	ID:18	ID:18	ID:20	ID:20
	Net Weight		kg	7.5	7.5	8.5	13.0	15	15
	Shipping Weight		kg	10.5	10.5	11.5	16.0	18.0	18.0
Dimension	Net Dimension(WxHxD)		mm	795x258x179	795x258x179	890x285x179	1080x315x205	970x180x390	
	Shipping		mm	854x323x237	854x323x237	959x357x251	1151x397x286	1168x302x467	1168x302x467
Accessories	Panel							Option (P1SMA)	Option (P1SMA)
	Filter							Built-in	Built-in
	Drain Pump							Built-in	Built-in

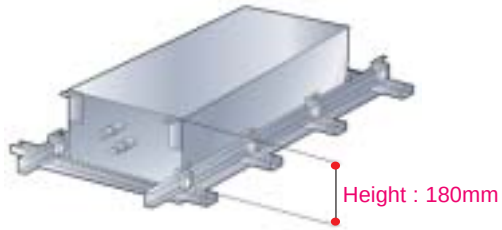
Mini 4Way cassette / Slim duct

Model				MH030FMEA	MH035FMEA	MH052FMEA	MH026FEEA	MH035FEEA	MH035FEEA
Power Source			Ø,V,Hz	1,220~240,50	1,220~240,50	1,220~240,50	1,220~240,50	1,220~240,50	1,220~240,50
Mode				Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Performance	Cooling		kW	3.5	3.5	5.2	2.6	3.5	5.2
			Btu/h	11900	11900	17700	8800	11900	17700
	Heating		kW	3.8	3.8	5.6	2.9	3.8	5.6
			Btu/h	12900	12900	19100	9800	12900	19100
	Sound Pressure(High/Low)		dB(A)	40/37	40/37	44/40	31/26	32/27	39/33
Power	Fan	Type	-	Turbo fan	Turbo fan	Turbo fan	Siroco fan	Siroco fan	Siroco fan
		Air Flow Rate (Cooling/Heating)	m^3/min	10.8/11.7	10.8/11.7	12.1/13.6	8.6/9.0	9.8/10.3	13.6/14.2
	Running Current	Cooling/Heating	A	0.37/0.37	0.37/0.37	0.52/0.52	0.4/0.4	0.4/0.4	0.6/0.6
	Power Input	Cooling/Heating	W	85/85	85/85	120/120	80/80	80/80	100/100
	Connecting Pipe	Liquid	Ø(mm)	6.35	6.35	6.35	6.35	6.35	6.35
		Gas	Ø(mm)	9.52	9.52	12.70	9.52	0.92	12.70
		Drain	Ø(mm)	VP:25 (OD:32, ID:25)	VP:25 (OD:32, ID;25)	VP:25 (OD:32, ID:25)	VP:25 (OD:32, ID:25)	VP:25 (OD:32, ID:25)	VP:25 (OD:32, ID:25)
Piping	Net Weight		kg	17.0	17.0	17.0	26.0	26.0	31
	Net Dimension(WxHxD)		mm	575x260x575	575x260x575	575x260x575	900x199x600	900x199x600	1100x199x600
Dimension	Panel		-	PMSMA	PMSMA	PMSMA	-	-	-
	Filter		-	Built-in	Built-in	Built-in	Option(MF-E0EF)	Option(MF-E0EF)	Option(MF-E0EA)
	Drain Pump		-	Built-in	Built-in	Built-in	MDP-E075SEE	MDP-E075SEE	MDP-E075SEE

Notes
1. Nominal cooling capacities are based on:
   • Indoor temperature:27°C DB, 19°C WB, outdoor temperature:35°C DB, Equivalent refrigerant piping: 7.5m(horizontal)
2. Nominal heating capacities are based on:
   • Indoor temperature:20°C DB, outdoor temperature:7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m(horizontal)
3. Sound pressure acquired in a dead room, so actual sound pressure may be different depending on the installation conditions.
4. • OD: Outer Diameter • ID: Inner Diameter

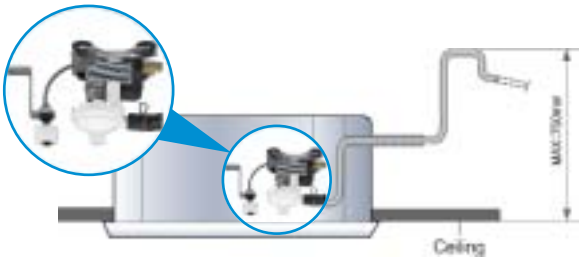
1 Way Cassette slim & compact

The 1 way cassette is designed for applications with limited ceiling voids. It measures 180mm high and includes a powerful lift pump. To improve air quality, the unit is equipped with a bio heat exchanger and bio air filter that dramatically reduce airborne germs.



Slim and Compact Body

1 way cassette type indoor unit is ideal for any small and shallow void space. At just 180mm in height its compact body allows you a much easier installation.



Lift-up Drain Pump

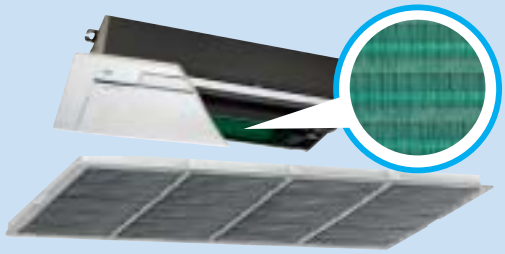
The lift-up drain pump lifts condensed water up to 750mm allowing flexible and convenient installation.

Other Company

Samsung

Quick Lock

To prevent leaks and time-consuming labour, Quick Lock has been applied to drain hose. Without using adhesives and tape on the drain hose, Quick Lock saves time and effort during installation.

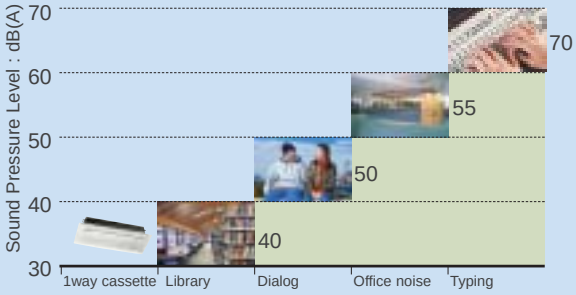


Bio Heat Exchanger and Bio Air Filter

Samsung's advanced technology means that the 1 way cassette indoor unit is equipped with a bio heat exchanger and a bio air filter. These parts are anti-bacterial treated, which improves indoor air quality by prohibiting the growth of bacteria and fungi inside the unit.

Long Piping System

You can extend refrigerant pipe run up to 30 meters depending on the capacity of outdoor units. The maximum height range is from 8 meters to 15 meters.
(15 meters for 18,000~21,000 Btu/h)



Quiet Operation

Samsung's advanced cross fan reduces sound pressure level dramatically. Operating in low fan speed, the sound pressure level is equivalent to that found in a library.

Accessories

Wired Remote Controller	MWR-TH01
Wireless Remote Controller	MR-AH01/BH01
Panel	P1SMA

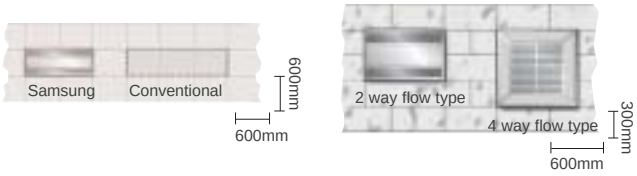
Model	Indoor unit / Outdoor unit		KH026EAV / UH026EAV	KH035EAV / UH035EAV
Capacity(Min./Standard/Max.)	Cooling	Watts	980~2,600~3,500	980~3,500~4,100
	Heating	Watts	950~3,300~5,000	950~4,000~5,800
Power Input	Cooling	Watts	695	1,090
	Heating	Watts	915	1,170
E.E.R	Cooling	W/W	3.74 A	3.21 A
	Heating	W/W	3.61 A	3.41 B
Running Current	Cooling	Amps	3.30	5.1
	Heating	Amps	4.30	5.6
Piping Connection	Liquid	mm	6.35	6.35
	Gas	mm	9.52	9.52
Power Supply		Ø/V/Hz	1/220~240/50	1/220~240/50
Indoor Unit				
Model Code			KH026EAV	KH035EAV
Panel			P1SMA	P1SMA
Fan Type			Cross flow fan	Cross flow fan
Air Flow Rate		CMM	7.0/8.0	7.5/8.5
Set Dimension(Net)	WxHxD	mm	970x180x390	970x180x390
Set Dimension(Gross)	WxHxD	mm	1,168x302x467	1,168x302x467
Set Weight(Net/Gross)		kg	15/18	15/18
Panel Dimension(Net)	WxHxD	mm	1,180x20x460	1,180x20x460
Panel Dimension(Gross)	WxHxD	mm	1,259x144x539	1,259x144x539
Panel Weight(Net/Gross)		kg	3.5/6.2	3.5/6.2
Sound Pressure(High/Low)		dB(A)	34/25	35/26
Outdoor Unit				
Model Code			UH026EAV	UH035EAV
Compressor			SINGLE BLDC	SINGLE BLDC
Refrigerant	Type		R410A	R410A
Set Dimension(Net)	WxHxD	mm	790x548x285	790x548x285
Set Dimension(Gross)	WxHxD	mm	926x600x382	926x600x382
Set Weight(Net/Gross)		kg	35.5/38	35.5/38
Sound Pressure		dB(A)	47	47
Temperature Range	Cooling	°C	-5~46	-5~46
	Heating	°C	-10~24	-10~24

Model	Indoor unit / Outdoor unit		KH026EAMG / UH026EAMG	KH035EAMG / UH035EAMG
Capacity	Cooling	Watts	2,800	3,500
	Heating	Watts	2,900	3,800
Power Input	Cooling	Watts	990	1,200
	Heating	Watts	940	1,250
E.E.R	Cooling	W/W	2.82	2.91
	Heating	W/W	3.08	3.04
Running Current	Cooling	Amps	4.5	5.4
	Heating	Amps	4.2	5.7
Piping Connection	Liquid	mm	6.35	6.35
	Gas	mm	9.52	9.52
Power Supply		Ø/V/Hz	1/220-240/50	1/220-240/50
Indoor Unit				
Model Code			KH026EAMG	KH035EAMG
Panel			P1SMA	P1SMA
Fan Type			Cross flow fan	Cross flow fan
Air Flow Rate		CMM	7.0/6.5/6.0	8.6/8.1/7.6
Set Dimension(Net)	WxHxD	mm	970x180x390	970x180x390
Set Dimension(Gross)	WxHxD	mm	1,168x302x467	1,168x302x467
Set Weight(Net/Gross)		kg	15/18	15/18
Panel Dimension(Net)	WxHxD	mm	1,030x25x650	1,030x25x650
Panel Dimension(Gross)	WxHxD	mm	1,103x151x727	1,103x151x727
Panel Weight(Net/Gross)		kg	4/8	4/8
Sound Pressure(High/Low)		dB(A)	36/28	37/28
Outdoor Unit				
Model Code			UH026EAMG	UH035EAMG
Compressor			G4A097JU1EP	G8C124JU1EL
Refrigerant	Type		R410A	R410A
Set Dimension(Net)	WxHxD	mm	740x530x230	740x530x230
Set Dimension(Gross)	WxHxD	mm	851x583x308	851x583x308
Set Weight(Net/Gross)		kg	38.5/40	42/43.5
Sound Pressure		dB(A)	48	49
Temperature Range	Cooling	°C	-5~43	-5~43
	Heating	°C	-5~24	-5~24

Notes
1. Nominal cooling capacities are based on: • Indoor temperature: 27°C DB, 19°C WB, outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m(horizontal)
2. Nominal heating capacities are based on: • Indoor temperature: 20°C DB, outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m(horizontal)
3. Sound pressure acquired in a dead room, so actual sound pressure may be different depending on the installation conditions.

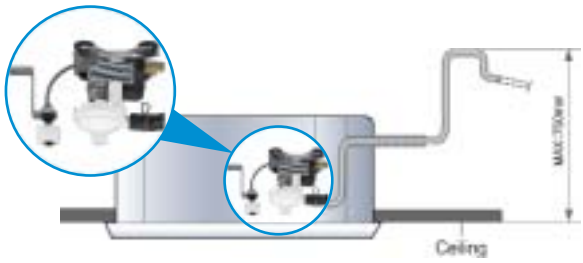
2 Way Cassette stylish & silent

The 2 way cassette is slim and at only 230mm deep ideal for shallow ceiling voids. The body and panel are also extremely lightweight.
This makes the 2 way cassette model an ideal choice for new or refurbishment projects.



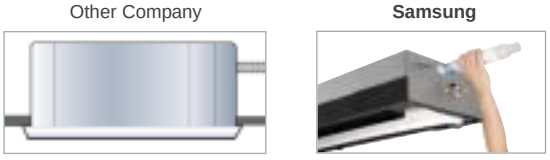
Standard Formula for Easy Installation

The dimensions of the 2 way cassette also mean that it can easily be incorporated into a standard ceiling grid based upon 600 x 600 modules. This improves appearance and makes installation easier and quicker.



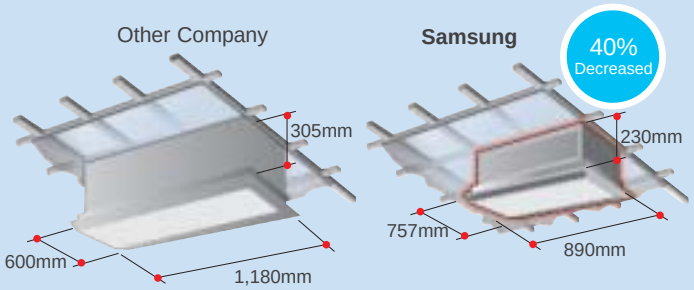
Lift-up Drain Pump

The lift-up drain pump lifts condensed water up to 750mm allowing flexible and convenient installation.



Quick Lock

To prevent leaks and time-consuming labour, Quick Lock has been applied to drain hose. Without using adhesives and tape on the drain hose, Quick Lock saves time and effort during installation.

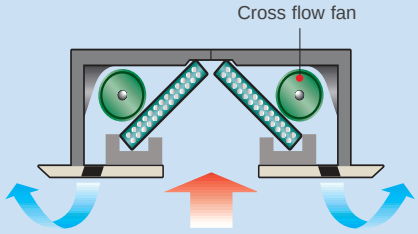


Small Size Big Performance

The 2 way cassette has been remodeled and reduced in size by 40% over previous models. This means that it is now even easier to incorporate into the building design.

Long Piping System

You can extend refrigerant pipe run up to 30 meters depending on the capacity of outdoor units. The maximum height range is from 8 meters to 15 meters.
(15 meters for 18,000~21,000 Btu/h)



2-Cross Flow Fans, Double Efficiency

2 way cassette indoor unit has 2 cross flow fans ensuring double efficiency without any increased noise. Operating in low fan speed, you can enjoy the sound of silence in your room as if you are in a quiet library.

Accessories

Wired Remote Controller	MWR-TH01
Wireless Remote Controller	MR-AH01/BH01
Panel	P2SMA

Model				GH052EAMG	GH070EAMG
		Indoor unit		UH052EAMC	UH070EAMC
		Outdoor unit			
Capacity		Cooling	Watts	5,500	7,000
		Heating	Watts	6,000	7,700
Power Input		Cooling	Watts	1,700	2,400
		Heating	Watts	1,800	2,400
E.E.R		Cooling	W/W	3.23	2.91
		Heating	W/W	3.33	3.20
Running Current		Cooling	Amps	7.5	10.6
		Heating	Amps	7.9	10.6
Piping Connection		Liquid	mm	6.35	6.35
		Gas	mm	15.88	15.88
Power Supply			Ø/V/H	1/220-240/50	1/220-240/50
Indoor Unit					
Model Code				GH052EAMG	GH070EAMG
Panel				P2SMA	P2SMA
Fan Type				Cross flow fan	Cross flow fan
Air Flow Rate			CMM	14/12/10	14/12/10.5
Set	Dimension(Net)	WxHxD	mm	890x230x575	890x230x575
	Dimension(Gross)	WxHxD	mm	1,077x299x642	1,077x299x642
	Weight(Net/Gross)		kg	21/25	22/26
Panel	Dimension(Net)	WxHxD	mm	1,180x20x460	1,180x20x460
	Dimension(Gross)	WxHxD	mm	1,259x144x539	1,259x144x539
	Weight(Net/Gross)		kg	3.5/6.2	3.5/6.2
Sound Pressure(High/Low)			dB(A)	37/28	38/28
Outdoor Unit					
Model Code				UH052EAMC	UH070EAMC
Compressor				NN21VBAMT	NN29VACMT
Refrigerant		Type		R410A	R410A
Set	Dimension(Net)	WxHxD	mm	880x648x310	880x648x310
	Dimension(Gross)	WxHxD	mm	1,023x754x413	1,023x754x413
	Weight(Net/Gross)		kg	67/72	67/72
Sound Pressure			dB(A)	50	51
Temperature Range		Cooling	°C	-5~43	-5~43
		Heating	°C	-5~24	-5~24

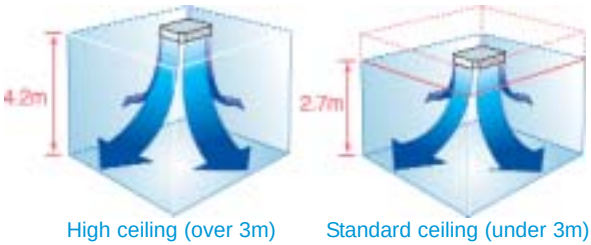
Notes
1. Nominal cooling capacities are based on:
   • Indoor temperature: 27°C DB, 19°C WB, outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m(horizontal)
2. Nominal heating capacities are based on:
   • Indoor temperature: 20°C DB, outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m(horizontal)
3. Sound pressure acquired in a dead room, so actual sound pressure may be different depending on the installation conditions.

Mini 4 Way Cassette

perfect & compact

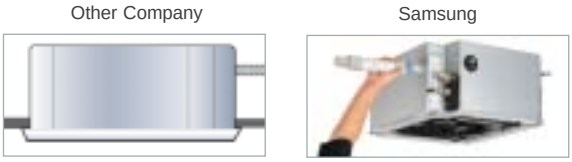
The new range of smart inverter mini 4 way cassettes represent a leap forward in cassette technology.
Its dimensions allow easy application within the standard 600x600 ceiling grid but also coupled to this is the shallow body design of only 260mm.

PCB option



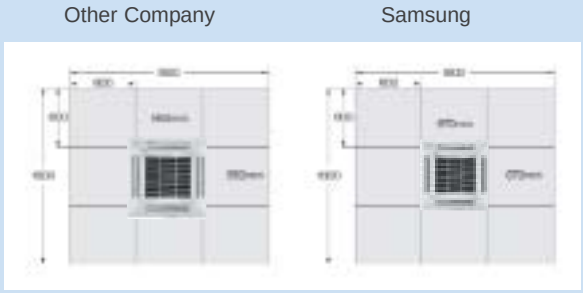
Fan Speed Adjustment

Fan speed can be adjusted by ceiling height. With an easy to use PCB option, airflow can be altered for use in high ceilings.



Quick Lock

To prevent leaks and time-consuming labor, Quick Lock has been applied to drain hose. Without using adhesives and tape on the drain hose, Quick Lock saves time and effort during installation.



Ideal for Limited or Open Space

Without any unnecessary alterations to the ceiling, the mini 4 way cassette indoor unit can be installed in one standard ceiling tile which of 600(W)X600(H).

High Energy Efficiency

With its small and compact body, mini 4 way cassette type indoor unit will impress you as the best energy efficiency. Easy operation coupled with high efficiency, it provides you remarkable performance with extremely low cost.

Accessories

Wired Remote Controller	MWR-TH01
Wireless Remote Controller	MR-AH01/BH01
Panel	PMSMA

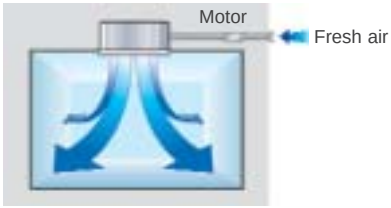
Model	Indoor unit		TH026EAV	TH035EAV	TH052EAV	TH060EAV
	Outdoor unit		UH026EAV	UH035EAV	UH052EAV	UH060EAV
Capacity(Min./Standard/Max.)	Cooling	Watts	990~2,600~3,500	990~3,500~4,200	1,600~4,700~6,000	1,800~5,800~6,500
	Heating	Watts	980~3,300~5,000	980~4,000~5,500	1,300~5,500~9,000	1,800~7,000~10,000
Power Input	Cooling	Watts	710	1,090	1,510	1,930
	Heating	Watts	885	1,105	1,660	2,180
E.E.R	Cooling	W/W	3.66 A	3.21 A	3.11 B	3.01 B
	Heating	W/W	3.73 A	3.61 A	3.31 C	3.21 C
Running Current	Cooling	Amps	3.40	5.1	7	8.8
	Heating	Amps	4.20	5.20	8	10.5
Piping Connection	Liquid	mm	6.35	6.35	6.35	6.35
	Gas	mm	9.52	9.52	12.70	15.88
Power Supply		Ø/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Indoor Unit						
Model Code			TH026EAV	TH035EAV	TH052EAV	TH060EAV
Panel			PMSMA	PMSMA	PMSMA	PMSMA
Fan Type			Turbo fan	Turbo fan	Turbo fan	Turbo fan
Air Flow Rate		CMM	10.0/11.0	11.0/12.0	12.2/12.9	12.4/13.6
Set Dimension(Net)	WxHxD	mm	575x265x575	575x265x575	575x265x575	575x265x575
Dimension(Gross)	WxHxD	mm	660x310x635	660x310x635	660x310x635	660x310x635
Weight(Net/Gross)		kg	17/20	17/20	17/20	17/20
Panel Dimension(Net)	WxHxD	mm	670x35x670	670x35x670	670x35x670	670x35x670
Dimension(Gross)	WxHxD	mm	717x93x717	717x93x717	717x93x717	717x93x717
Weight(Net/Gross)		kg	2.6/4.2	2.6/4.2	2.6/4.2	2.6/4.2
Sound Pressure(High/Low)		dB(A)	38/31	39/31	43/37	44/40
Outdoor Unit						
Model Code			UH026EAV	UH035EAV	UH052EAV	UH060EAV
Compressor			SINGLE BLDC	SINGLE BLDC	TWIN BLDC	TWIN BLDC
Refrigerant	Type		R410A	R410A	R410A	R410A
Set Dimension(Net)	WxHxD	mm	790x548x285	790x548x285	880x638x310	880x798x310
Dimension(Gross)	WxHxD	mm	926x600x382	926x600x382	1,023x704x413	1,038x861x413
Weight(Net/Gross)		kg	35.5/38	35.5/38	50/54	57/63
Sound Pressure		dB(A)	47	48	50	52
Temperature Range	Cooling	°C	-5~46	-5~46	-5~46	-5~46
	Heating	°C	-10~24	-10~24	-10~24	-10~24

Notes
1. Nominal cooling capacities are based on:
   • Indoor temperature: 27°C DB, 19°C WB, outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m(horizontal)
2. Nominal heating capacities are based on:
   • Indoor temperature: 20°C DB, outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m(horizontal)
3. Sound pressure acquired in a dead room, so actual sound pressure may be different depending on the installation conditions.

4 Way Cassette

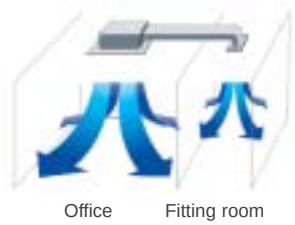
quick & powerful

The standard 4 way cassettes are designed to provide powerful cooling and heating.
The system can be mounted within high ceilings but also has the advantage of an extra-slim 230mm body height for much of the range.



Fresh Air Facility

With optional installation of air intake motor, fresh air can be introduced onto the cassette unit provided this has been accounted for in heat gain calculations.



Sub Duct

The Sub Duct facility makes it easy to provide conditioned air to a nearby smaller space. The cassette unit has a knock out facility to provide this.

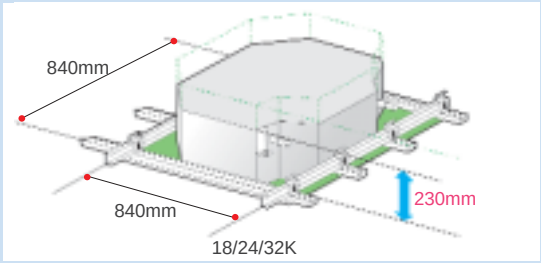
Versatile Airflow Directions

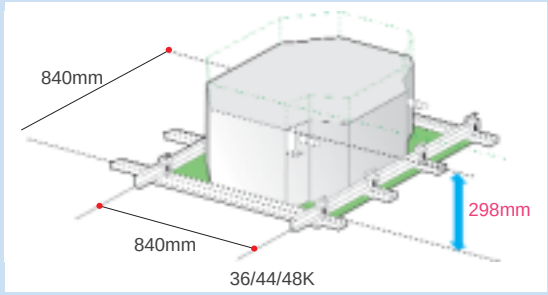
Airflow can be controlled in either 2, 3 or 4 patterns. Airflow patterns can be adopted depending on the shape of the space offering the convenient and efficient operation.

Quick Lock

To prevent leaks and time-consuming labour, Quick Lock has been applied to drain hose. Without using adhesives and tape on the drain hose, Quick Lock saves time and effort during installation.

Extra Slim Body for Low Ceiling Space Applications





Accessories

Wired Remote Controller	MWR-TH01
Wireless Remote Controller	MR-AH01/BH01
Panel	P4NMA(P4SMA)

Model	Indoor unit / Outdoor unit		CH070EAV / UH070EAV	CH105EAV / UH105GAV	CH140EAV / UH140GAV
Capacity (Min./Standard/Max.)	Cooling	Watts	2,100~7,100~8,000	3,200~10,500~12,000	3,800~14,000~15.400
	Heating	Watts	2,000~8,000~10,500	2,000~11,200~15,500	3,450~16.000~19,500
Power Input	Cooling	Watts	2,210	3,170	4,650
	Heating	Watts	2,490	3,100	4,690
E.E.R	Cooling	W/W	3.21 A	3.21 A	3.01 B
	Heating	W/W	3.21 C	3.61 A	3.41 B
Running Current	Cooling	Amps	10	5.00	7.20
	Heating	Amps	11	5.00	7.30
Piping Connection	Liquid	mm	6.35	9.52	9.52
	Gas	mm	15.88	19.05	19.05
Power Supply		Ø/V/Hz	1/220~240/50	3/380-415/50	3/380-415/50
Indoor Unit					
Model Code			CH070EAV	CH105EAV	CH140EAV
Panel			P4NMA	P4SMA	P4SMA
Fan Type			Turbo fan	Turbo fan	Turbo fan
Air Flow Rate		CMM	15.6/17.2	26/28	28/30
Set Dimension(Net)	WxHxD	mm	840x230x840	840x298x840	840x298x840
Dimension(Gross)	WxHxD	mm	939x324x923	925x360x925	925x360x925
Weight(Net/Gross)		kg	27/31	29/35	29/35
Panel Dimension(Net)	WxHxD	mm	950x48x950	950x35x950	950x35x950
Dimension(Gross)	WxHxD	mm	1,046x100x1,046	1,042x103x1,042	1,042x103x1,042
Weight(Net/Gross)		kg	4.9/7.6	7/10.3	7/10.3
Sound Pressure(High/Low)		dB(A)	40/35	41/37	45/41
Outdoor Unit					
Model Code			UH070EAV	UH105GAV	UH140GAV
Compressor			TWIN BLDC	TWIN BLDC	TWIN BLDC
Refrigerant	Type		R410A	R410A	R410A
Set Dimension(Net)	WxHxD	mm	880x798x310	880x931x320	932x1,128x375
Dimension(Gross)	WxHxD	mm	1,038x861x413	1,043x1,062x411	1,091x1,268x472
Weight(Net/Gross)		kg	57/63	88/93	105/120
Sound Pressure		dB(A)	54	56	60
Temperature Range	Cooling	°C	-5~46	-15~50	-15~50
	Heating	°C	-10~24	-20~24	-20~24

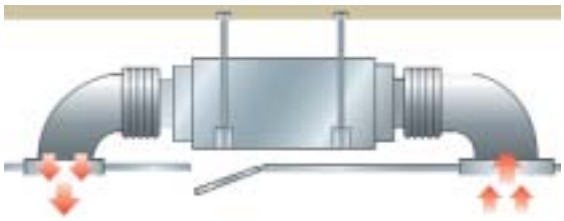
Model	Indoor unit / Outdoor unit		CH052EAMG / UH052EAMT	CH070EAMG / UH070EAMC	CH094EAM / UH094EAMC	CH105EAMC / UH105GAMC	CH105EAMC / UH105EAMC	CH140EAMC / UH140GAMC
Capacity (Min./Standard/Max.)	Cooling	Watts	5,500	7,000	9,400	10,000	10,000	14,000
	Heating	Watts	6,000	7,700	10,200	10,700	10,700	15,400
Power Input	Cooling	Watts	1,700	2,400	3,350	3,560	3,870	5,300
	Heating	Watts	1,800	2,400	3,270	3,600	3,850	5,900
E.E.R	Cooling	W/W	3.24	2.92	2.81	2.81	2.58	2.64
	Heating	W/W	3.33	3.21	3.12	2.97	2.78	2.61
Running Current	Cooling	Amps	7.5	10.6	15.3	6.2	17.5	9.2
	Heating	Amps	7.9	10.6	15.0	6.3	17.5	10
Piping Connection	Liquid	mm	6.35	6.35	9.52	9.52	9.52	9.52
	Gas	mm	12.70	15,88	15.88	19.05	19.05	19.05
Power Supply		Ø/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	3/380~415/50	1/220-240/50	3/380~415/50
Model Code			CH052EAMG	CH070EAMG	CH094EAM	CH105EAMC	CH105EAMC	CH140EAMC
Panel			P4NMA	P4NMA	P4NMA	P4SMA	P4SMA	P4SMA
Fan Type			Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan
Air Flow Rate		CMM	18	18	20	24.5	24.5	29
Set Dimension(Net)	WxHxD	mm	840x230x840	840x230x840	840x230x840	840x298x840	840x298x840	840x298x840
Dimension(Gross)	WxHxD	mm	939x324x923	939x324x923	939x324x923	925x360x925	925x360x925	925x360x925
Weight(Net/Gross)		kg	26/31	26/31	26/31	29/35	29/35	29/35
Panel Dimension(Net)	WxHxD	mm	950x35x950	950x35x950	950x35x950	950x35x950	950x35x950	950x35x950
Dimension(Gross)	WxHxD	mm	1,046x100x1,046	1,046x100x1,046	1,046x100x1,046	1,042x103x1,042	1,042x103x1,042	1,042x103x1,042
Weight(Net/Gross)		kg	4.9/7.6	4.9/7.6	4.9/7.6	7/10.3	7/10.3	7/10.3
Sound Pressure(High/Low)		dB(A)	39/34	40/35	40/35	41/37	41/37	45/41
Model Code			UH052EAMT	UH070EAMC	UH094EAMC	UH105GAMC	UH105EAMC	UH140GAMC
Compressor			Rotary	Rotary	Rotary	Scroll	Scroll	Scroll
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
Set Dimension(Net)	WxHxD	mm	880x648x310	880x648x310	880x798x310	880x931x320	880x931x320	932x1,128x375
Dimension(Gross)	WxHxD	mm	1,079x749x418	1,079x749x418	1,023x891x413	1,043x1,062x411	1,043x1,062x411	1,091x1,268x472
Weight(Net/Gross)		kg	67/72	69/74	74/82	85/92	87/92	121/136
Sound Pressure		dB(A)	53	54	55	56	56	60
Temperature Range	Cooling	°C	-5~43	-5~43	-5~43	-5~43	-5~43	-5~43
	Heating	°C	-5~24	-5~24	-5~24	-5~24	-5~24	-5~24

Notes
1. Nominal cooling capacities are based on: • Indoor temperature: 27°C DB, 19°C WB, outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m(horizontal)
2. Nominal heating capacities are based on: • Indoor temperature: 20°C DB, outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m(horizontal)
3. Sound pressure acquired in a dead room, so actual sound pressure may be different depending on the installation conditions.

Duct Type

easy & flexible

Samsung offers a wide range of units available to suit a variety of applications, from slim line models at 199mm through to high static units. Low noise levels are easily achieved with the easy balancing system which means occupant comfort and they are good reasons for choosing ducted units.



Air Intake from the Back or Below

(Slim/Silhouette duct)

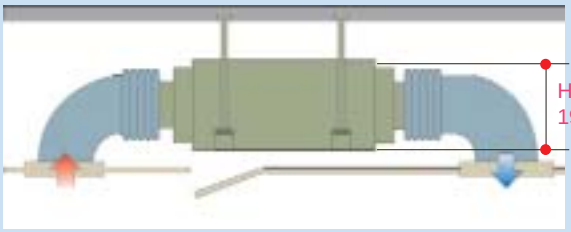
The Slim/Silhouette duct model have the option of return air either from back or below depending on the application. This results in easier installation and easier maintenance options.

Easy Filter Cleaning

The system can be set to alert that a filter clean is required dependant upon the application. This will then be displayed upon the remote controller. When this is necessary, the removal of the filter is a simple one push mechanism.

Silent Operation with the Control of Static Pressure

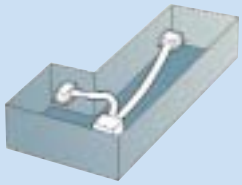
Due to the unit design, it is a simple task to access the part required for maintenance within the unit. Reducing time and cost as well as being simple to work on.



Slim and Lightweight Body (Slim duct)

At only 199mm in height and 31kg in weight, the slim duct model allows easy application and installation along with excellent performance.

Type	Capacity	Static Pressure Range
Silhouette	5.2 / 7.1 / 9.0 kW	0 ~ 8 mmAq
Slim	3.5 / 5.2 / 7.0 kW	0 ~ 4 mmAq
	9.0 / 11.2 / 12.8 / 14.0 kW	0 ~ 6 mmAq
Middle Static Pressure	9.4 / 10.5 / 14.0 / 17.5 kW	6 ~ 10mmAq (Max.15mmAq)



L-shaped area

Areas far apart

Y-shaped area

Flexible Installation for a Variety of Layouts

With the variety of models available, the Samsung range of ducted units offers many solutions to various styles of indoor environment. Irregular shaped rooms or rooms with specific airflow requirements and noise levels can all utilise this wide range.

Accessories

Wired Remote Controller	MWR-TH01	
Wireless Remote	MR-AH01/BH01	
Controller Drain Pump	For Silhouette duct	MDP-E075SA1
		MDP-E075SEE(1)
	For Slim duct	MDP-M075SGU1(10.5kW~12.8kW)
	For MSP duct	MDP-M075SGU2(14.0kW~17.5kW)

Slim duct

smart inverter

Model	Indoor unit		EH035EAV	EH052EAV	EH070EAV
	Outdoor unit		UH035EAV	UH052EAV	UH070EAV
Capacity(Min./Standard/Max.)	Cooling	Watts	980~3,500~4,200	1,700~5,000~6,000	2,200~7,100~8,000
	Heating	Watts	980~4,000~5,800	1,500~6,000~9,000	1,900~8,000~11,000
Power Input	Cooling	Watts	1,060	1,550	2,210
	Heating	Watts	1,080	1,660	2,150
E.E.R	Cooling	W/W	3.30 A	3.23 A	3.21 A
	Heating	W/W	3.70 A	3.61 A	3.72 A
Running Current	Cooling	Amps	5.10	7.00	10.00
	Heating	Amps	5.20	7.50	10.00
Piping Connection	Liquid	mm	6.35	6.35	6.35
	Gas	mm	9.52	12.70	15.88
Power Supply		Ø/V/Hz	1/220~240/50	1/220-240/50	1/220-240/50
Indoor Unit					
Model Code			EH035EAV	EH052EAV	EH070EAV
Panel			-	-	-
Fan Type			Sirocco fan	Sirocco fan	Sirocco fan
Air flow Rate		CMM	10.0/11.0	14.9/16.5	16.6/19.6
Maximum ESP		mmAq	-	-	-
Set Dimension(Net)	WxHxD	mm	900x199x600	1,100x199x600	1,100x199x600
Dimension(Gross)	WxHxD	mm	1,133X333X722	1,133X333X722	1,133X333X722
Weight(Net/Gross)		kg	26/31	31/39	31/39
Panel Dimension(Net)	WxHxD	mm	-	-	-
Dimension(Gross)	WxHxD	mm	-	-	-
Weight(Net/Gross)		kg	-	-	-
Sound Pressure(High/Low)		dB(A)	28/21	33/30	37/35
Outdoor Unit					
Model Code			UH035EAV	UH052EAV	UH070EAV
Compressor			SINGLE BLDC	TWIN BLDC	TWIN BLDC
Refrigerant	Type		R410A	R410A	R410A
Set Dimension(Net)	WxHxD	mm	790x548x285	880x638x310	880x798x310
Dimension(Gross)	WxHxD	mm	926x600x382	1,023x704x413	1,038x881x413
Weight(Net/Gross)		kg	28/25	50/54	57/61
Sound Pressure		dB(A)	47	49	52
Temperature Range	Cooling	°C	-5~46	-5~46	-5~46
	Heating	°C	-10~24	-10~24	-10~24

Slim duct

Model	Indoor unit		EH052EAMC	EH070EAMC
	Outdoor unit		UH052EAMC	UH070EAMC
Capacity	Cooling	Watts	5,000	6700
	Heating	Watts	6,000	7500
Power Input	Cooling	Watts	1,950	2390
	Heating	Watts	2,000	2360
E.E.R	Cooling	W/W	2.56	2.80
	Heating	W/W	3.00	3.18
Running Current	Cooling	Amps	-	-
	Heating	Amps	-	-
Piping Connection	Liquid	mm	6.35	9.52
	Gas	mm	12.7	15.88
Power Supply		Ø/V/Hz	1/220-240/50	1/220-240/50
Indoor Unit				
Model Code			EH052EAMC	EH070EAMC
Panel			-	-
Fan Type			Sirocco fan	Sirocco fan
Air Flow Rate		CMM	14	18
Maximum ESP		mmAq	4	4
Set Dimension(Net)	WxHxD	mm	990x199x600	1,100x199x600
Dimension(Gross)	WxHxD	mm	1,133X333X722	1,330x330x730
Weight(Net/Gross)		kg	26/31	31/39
Panel Dimension(Net)	WxHxD	mm	-	-
Dimension(Gross)	WxHxD	mm	-	-
Weight(Net/Gross)		kg	-	-
Sound Pressure(High/Low)		dB(A)	33/30	37/35
Outdoor Unit				
Model Code			UH052EAMC	UH070EAMC
Compressor			Rotary	Rotary
Refrigerant	Type		R410A	R410A
Set Dimension(Net)	WxHxD	mm	880x638x310	880x638x310
Dimension(Gross)	WxHxD	mm	1,023x744x413	1,023x744x413
Weight(Net/Gross)		kg	48/50	56/58
Sound Pressure		dB(A)	49	52
Temperature Range	Cooling	°C	-5~43	-5~43
	Heating	°C	-5~24	-5~24

Notes
1. Nominal cooling capacities are based on: • Indoor temperature: 27°C DB, 19°C WB, outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m(horizontal)
2. Nominal heating capacities are based on: • Indoor temperature: 20°C DB, outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m(horizontal)
3. Sound pressure acquired in a dead room, so actual sound pressure may be different depending on the installation conditions.

Silhouette duct

Model				DH052EAMG / UH052EAMC	DH070EAMG / UH070EAMC	DH094EAMG / UH094EAMC
Capacity		Cooling	Watts	5,500	7,000	9,400
		Heating	Watts	6,000	7,700	10,200
Power Input		Cooling	Watts	1,800	2,450	3,550
		Heating	Watts	1,900	2,650	3,300
E.E.R		Cooling	W/W	3.06	2.86	2.72
		Heating	W/W	3.16	2.91	3.09
Running Current		Cooling	Amps	8	11	15.9
		Heating	Amps	8.4	11.9	15.2
Piping Connection		Liquid	mm	6.35	6.35	9.52
		Gas	mm	15.88	15.88	15.88
Power Supply			Ø/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50
Indoor Unit						
Model Code				DH052EAMG	DH070EAMG	DH094EAMG
Panel				-	-	-
Fan Type				Sirocco fan	Sirocco fan	Sirocco fan
Air Flow Rate			CMM	20	23	26
Maximum ESP			mmAq	8	8	8
Set	Dimension(Net)	WxHxD	mm	1,340x260x600	1,340x260x600	1,340x260x600
	Dimension(Gross)	WxHxD	mm	1,514x389x749	1,514x389x749	1,514x389x749
	Weight(Net/Gross)		kg	41/47	41/47	41/47
Panel	Dimension(Net)	WxHxD	mm	-	-	-
	Dimension(Gross)	WxHxD	mm	-	-	-
	Weight(Net/Gross)		kg	-	-	-
Sound Pressure(High/Low)			dB(A)	42/38	43/39	45/41
Outdoor Unit						
Model Code				UH052EAMC	UH070EAMC	UH094EAMC
Compressor				NN21VBAMT	NN29VACMT	NN40VAAMT
Refrigerant		Type		R410A	R410A	R410A
Set	Dimension(Net)	WxHxD	mm	880x648x310	880x648x310	880x798x310
	Dimension(Gross)	WxHxD	mm	1,079x749x418	1,079x749x418	1,023x891x413
	Weight(Net/Gross)		kg	67/72	69/74	74/82
Sound Pressure			dB(A)	53	52	63
Temperature Range		Cooling	°C	-5~43	-5~43	-5~43
		Heating	°C	-10~24	-10~24	-10~24

MSP duct

smart inverter

Model				DH105EAV / UH105GAV	DH140EAV / UH140GAV
Capacity(Min./Standard/Max.)		Cooling	Watts	10,500~3,350~12,000	14,000~3,450~15,400
		Heating	Watts	11,200~2,600~15,500	16,000~3,750~19,500
Power Input		Cooling	Watts	3,170	4,650
		Heating	Watts	3,100	4,430
E.E.R		Cooling	W/W	3.21 A	3.01 B
		Heating	W/W	3.61 A	3.61 B
Running Current		Cooling	Amps	5.00	7.40
		Heating	Amps	5.00	7.00
Piping Connection		Liquid	mm	9.52	9.52
		Gas	mm	15.88	19.05
Power Supply			Ø/V/Hz	3/380-415/50	3/380-415/50
Indoor Unit					
Model Code				DH105EAV	DH140EAV
Panel				-	-
Fan Type				Sirocco fan	Sirocco fan
Air Flow Rate			CMM	32.0	37.0
Maximum ESP			mmAq	10	15
Set	Dimension(Net)	WxHxD	mm	1,150x320x480	1,200x360x650
	Dimension(Gross)	WxHxD	mm	1,396X424X584	1,447x425x769
	Weight(Net/Gross)		kg	39/46	55/60
Panel	Dimension(Net)	WxHxD	mm	-	-
	Dimension(Gross)	WxHxD	mm	-	-
	Weight(Net/Gross)		kg	-	-
Sound Pressure(High/Low)			dB(A)	39/35	43/38
Outdoor Unit					
Model Code				UH105GAV	UH140GAV
Compressor				TWIN BLDC	TWIN BLDC
Refrigerant		Type		R410A	R410A
Set	Dimension(Net)	WxHxD	mm	930x1,135x375	930x1,135x375
	Dimension(Gross)	WxHxD	mm	1,060x1,268x487	1,060x1,268x487
	Weight(Net/Gross)		kg	88/93	105/120
Sound Pressure			dB(A)	56	59
Temperature Range		Cooling	°C	-15~50	-15~50
		Heating	°C	-20~24	-20~24

Notes
1. Nominal cooling capacities are based on: • Indoor temperature: 27°C DB, 19°C WB, outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m(horizontal)
2. Nominal heating capacities are based on: • Indoor temperature: 20°C DB, outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m(horizontal)
3. Sound pressure acquired in a dead room, so actual sound pressure may be different depending on the installation conditions.

MSP duct

Model	Indoor unit / Outdoor unit			DH094EAMC UH094EAMC	DH105EAMC UH105EAMC	DH105EAMC UH105GAMC	DH140EAMC UH140GAMC
Capacity		Cooling	Watts	8,800	10,000	9,900	14,700
		Heating	Watts	9,500	11,000	10,460	16,000
Power Input		Cooling	Watts	3,690	3,870	3,800	5,500
		Heating	Watts	3,500	3,850	3,800	5,700
E.E.R		Cooling	W/W	2.38	2.46	2.61	2.67
		Heating	W/W	2.86	2.72	2.75	2.81
Running Current		Cooling	Amps	-	17.5	-	-
		Heating	Amps	-	17.5	-	-
Piping Connection		Liquid	mm	9.52	9.52	9.52	9.52
		Gas	mm	15.88	19.05	19.05	19.05
Power Supply			Ø/V/Hz	1/220-240/50	1/220-240/50	3/380-415/50	3/380-415/50
Indoor Unit							
Model Code				DH094EAMC	DH105EAMC	DH105EAMC	DH140EAMC
Panel				-	-	-	-
Fan Type				Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Air Flow Rate			CMM	23	30	30	38
Maximum ESP			mmAq	8	10	10	10
Set	Dimension(Net)	WxHxD	mm	1,150x260x480	1,150X320X480	1,150x320x480	1,200x360x650
	Dimension(Gross)	WxHxD	mm	1,396x424x524	1,396X424X584	1,396x424x584	1,447x425x769
	Weight(Net/Gross)		kg	33/39	39/46	39/46	52/60
Panel	Dimension(Net)	WxHxD	mm	-	-	-	-
	Dimension(Gross)	WxHxD	mm	-	-	-	-
	Weight(Net/Gross)		kg	-	-	-	-
Sound Pressure(High/Low)			dB(A)	39/35	39/35	39/35	43/38
Outdoor Unit							
Model Code				UH094EAMC	UH105EAMC	UH105GAMC	UH140GAMC
Compressor				Scroll	Scroll	Scroll	Scroll
Refrigerant		Type		R410A	R410A	R410A	R410A
Set	Dimension(Net)	WxHxD	mm	880x798x310	880X931X320	880x931x320	932x1,128x375
	Dimension(Gross)	WxHxD	mm	1,023x891x413	1,062X1,043X411	1,062x1,043x411	1,091x1,286x472
	Weight(Net/Gross)		kg	74/82	87/92	87/92	121/130
Sound Pressure			dB(A)	55	56	56	59
Temperature Range		Cooling	°C	-5~43	-5~43	-5~43	-5~43
		Heating	°C	-5~24	-5~24	-5~24	-5~24

Notes
1. Nominal cooling capacities are based on: • Indoor temperature: 27°C DB, 19°C WB, outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m(horizontal)
2. Nominal heating capacities are based on: • Indoor temperature: 20°C DB, outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m(horizontal)
3. Sound pressure acquired in a dead room, so actual sound pressure may be different depending on the installation conditions.

Ceiling Type

versatile & stylish

The Universal Ceiling/Floor unit is available in 2 sizes. Without any modification, the unit can be installed as a ceiling mount or as a floor mount dependant upon the application. The unit has a sleek design and excellent air throw patterns. The option of smart inverter adds evenfurther to the adaptability of the unit.

Ceiling installation

Floor installation

Unique Piping for Floor Installation

There is no requirement to make any changes to the unit whether it is installed on the ceiling or at floor level. The system is designed to be used in either application.

Right and left

Up and down

Wide airflow

Double Swing Airflow

For optimum comfort levels, the unit has a complex pattern of airflows that ensure the air is delivered in the most suitable way into the space. These patterns are totally adjustable by the user which allows them to select their own preference.

Accessories

Wired Remote Controller	MWR-TH01
Wireless Remote Controller	MR-AH01/BH01

smart inverter

Model	Indoor unit / Outdoor unit		FH052EAV / UH052EAV	FH070EAV / UH070EAV
Capacity(Min./Standard/Max.)	Cooling	Watts	1,700~5,000~6,000	2,000~7,100~8,000
	Heating	Watts	1,500~6,000~9,000	2,000~8,000~10,500
Power Input	Cooling	Watts	1,550	2,520
	Heating	Watts	1,760	2,840
E.E.R	Cooling	W/W	3.23 A	2.81 C
	Heating	W/W	3.41 B	2.81 D
Running Current	Cooling	Amps	7.00	11.00
	Heating	Amps	8.20	12.50
Piping Connection	Liquid	mm	6.35	6.35
	Gas	mm	12.70	15.88
Power Supply		Ø/V/Hz	1/220-240/50	1/220-240/50
Indoor Unit				
Model Code			FH052EAV	FH070EAV
Panel			-	-
Fan Type			Sirocco fan	Sirocco fan
Air Flow Rate		CMM	13.6/14.5	14.0/16.0
Set Dimension(Net)	WxHxD	mm	1,000x200x650	1,000x200x650
Set Dimension(Gross)	WxHxD	mm	1,074x294x726	1,074x294x726
Set Weight(Net/Gross)		kg	22/26	22/26
Panel Dimension(Net)	WxHxD	mm	-	-
Panel Dimension(Gross)	WxHxD	mm	-	-
Panel Weight(Net/Gross)		kg	-	-
Sound Pressure(High/Low)		dB(A)	38/34	45/41
Outdoor Unit				
Model Code			UH052EAV	UH070EAV
Compressor			TWIN BLDC	TWIN BLDC
Refrigerant	Type		R410A	R410A
Set Dimension(Net)	WxHxD	mm	880x638x310	880x798x310
Set Dimension(Gross)	WxHxD	mm	1,023x704x413	1,038x861x413
Set Weight(Net/Gross)		kg	50/54	57/63
Sound Pressure		dB(A)	53	52
Temperature Range	Cooling	°C	-5~46	-5~46
	Heating	°C	-10~24	-10~24

Model	Indoor unit / Outdoor unit		FH052EAMC / UH052EAMC	FH070EAMC / UH070EAMC
Capacity	Cooling	Watts	5,000	6,700
	Heating	Watts	5,600	7,400
Power Input	Cooling	Watts	1,950	2,700
	Heating	Watts	2,000	2,700
E.E.R	Cooling	W/W	2.55	2.49
	Heating	W/W	2.84	2.74
Running Current	Cooling	Amps	9.5	12.4
	Heating	Amps	9.7	12.4
Piping Connection	Liquid	mm	6.35	6.35
	Gas	mm	12.7	15.88
Power Supply		Ø/V/Hz	1/220 ~ 240/50	1/220 ~ 240/50
Indoor Unit				
Model Code			FH052EAMC	FH070EAMC
Panel			-	-
Fan Type			Sirocco fan	Sirocco fan
Air Flow Rate		CMM	11.3	13.72
Set Dimension(Net)	WxHxD	mm	1,000x200x650	1,000x200x650
Set Dimension(Gross)	WxHxD	mm	1,079x299x731	1,079x299x731
Set Weight(Net/Gross)		kg	22/26	22/26
Panel Dimension(Net)	WxHxD	mm	-	-
Panel Dimension(Gross)	WxHxD	mm	-	-
Panel Weight(Net/Gross)		kg	-	-
Sound Pressure(High/Low)		dB(A)	38/34	45/41
Outdoor Unit				
Model Code			UH052EAMC	UH070EAMC
Compressor			Rotary	Rotary
Refrigerant	Type		R410A	R410A
Set Dimension(Net)	WxHxD	mm	880x638x310	880x638x310
Set Dimension(Gross)	WxHxD	mm	1,023x744x413	1,023x744x413
Set Weight(Net/Gross)		kg	48/50	56/58
Sound Pressure		dB(A)	49	52
Temperature Range	Cooling	°C	-5~43	-5~43
	Heating	°C	-5~24	-5~24

Notes
1. Nominal cooling capacities are based on: • Indoor temperature: 27°C DB, 19°C WB, outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m(horizontal)
2. Nominal heating capacities are based on: • Indoor temperature: 20°C DB, outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m(horizontal)
3. Sound pressure acquired in a dead room, so actual sound pressure may be different depending on the installation conditions.

Drain Pump

Classification	Model	Compatible units	Description
Duct Drain Pump	MDP-075SA1	Silhouette duct	750mm Drain Lift
	MDP-075SB1	Built-in duct	750mm Drain Lift
	MDP-E075SEE	Slim duct	PVC Hose, 2.6kW~7.0kW
	MDP-E075SEE1		New Hose, 10.5kW~14.0kW
	MDP-M075SGU1	MSP duct	10.5kW~12.8kW
	MDP-M075SGU2		14.0kW~17.8kW

Duct Filter

Classification	Model	Compatible units	Description
Filter -	MF-E0BF	Slim duct	2.6kW~3.5kW
	MF-E0BA		5.2kW~7.0kW
	MF-E0BD		10.5kW~14.0kW

Panel

Classification	Model	Compatible units	Description
1Way cassette	P1SMA	Unified Panel	Single, Multi, DVM unified Panel
2Way cassette	P2SMA	Unified Panel	Single, Multi, DVM unified Panel
Mini 4Way cassette	PMSMA	Unified Panel	Single, Multi, DVM unified Panel
4Way cassette	P4NMA	Unified Panel	4 way cassette CH070EAV, CH052EAMG, CH070EAMG, CH094EAM
	P4SMA	Unified Panel	4 way cassette CH105EAV, CH140EAV, CH052 ➤ CH140EAMC

Smart Remote Controllers

Samsung offers comprehensive energy saving controls that combine ease of use with class leading functionality.

Wired Remote Controller

MWR-WS00 Latest version(Newly designed)
MWR-WH00

- Sleep mode, silent mode, child lock
- 7-day schedule function(Only for MWR-WS00)
- Temperature sensor
- Both models include all the functions of MWR-TH01

MWR-TH01

- Group control
- On/Off control
- Group control for indoor units on different outdoor unit
- Set temperature
- Set fan speed
- Set airflow direction

7-day scheduler

MWR-BS00

- 1 group or 16 groups
- With the Centralised controller or the wired remote controller(MWR-TH01)
- Scheduling for specified dates
- Digital clock display

Function Controller

MCM-A100

- Group On/Off control up to 16 indoor units
- Set airflow direction
- Set temperature
- Set operating mode
- Set fan speed
- Self-diagnostic function
- Maximum wiring length of 1,000 meters

* Note : Must be used with the Centralised controller

Centralised Controller

- 16 groups of indoor units can be On/Off controlled
- Individual On/Off control
- Remote controller restrictions can be set
- Cooling/Heating selection switch

MCM-A202

- Compatible with the 7-day scheduler
- Supports earlier version
- Mainly for both DMS and DVM Plus II

* Note : All the Centralised controllers connected to a common upper level controller, such as the S-NET II Plus must have different addresses.

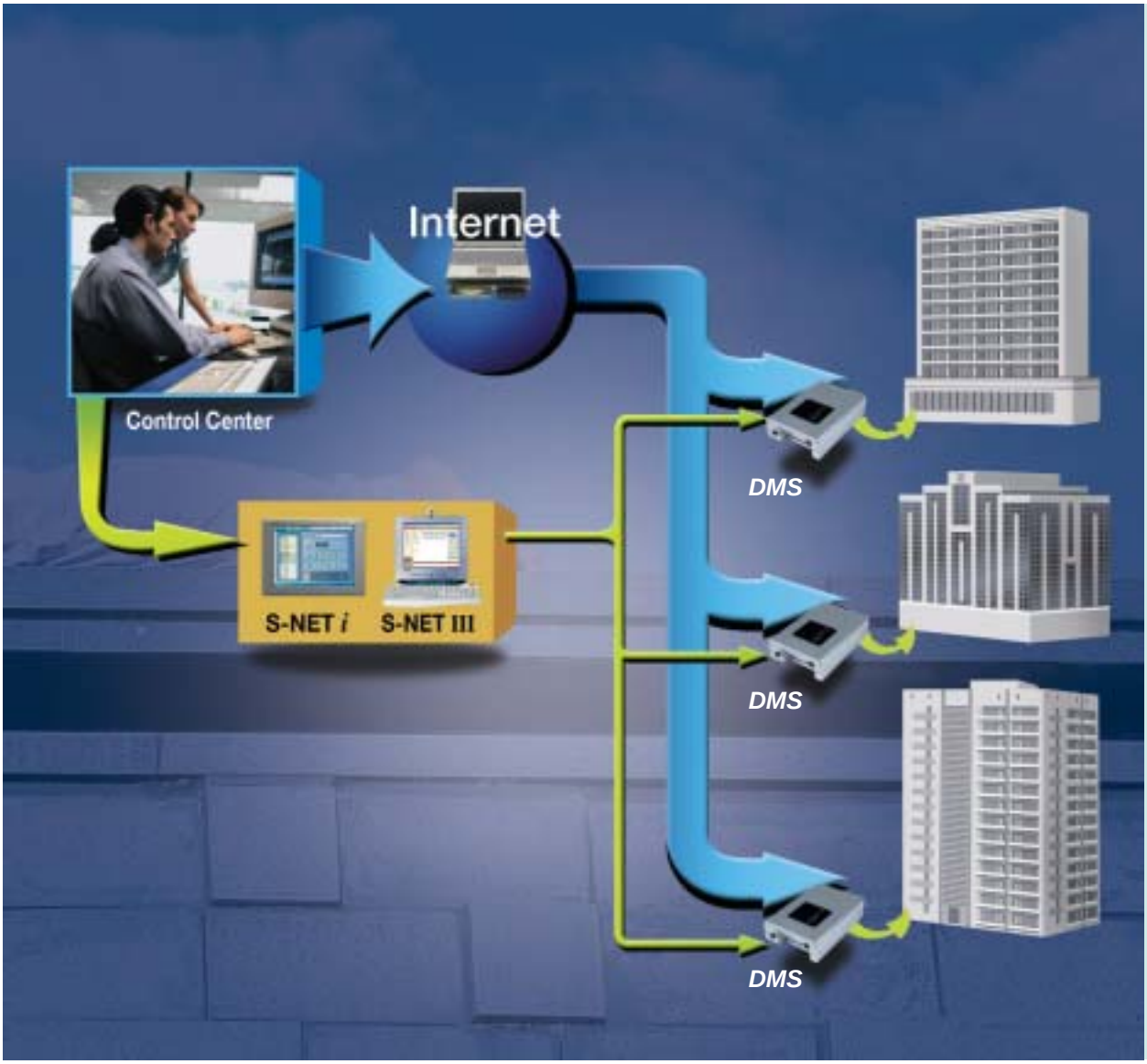
Wireless Remote Controller

MR-AH01
MR-BH01

- Set airflow direction
- Set temperature
- Test operation
- Filter reset

Smart Network Solutions

SmartNET Program



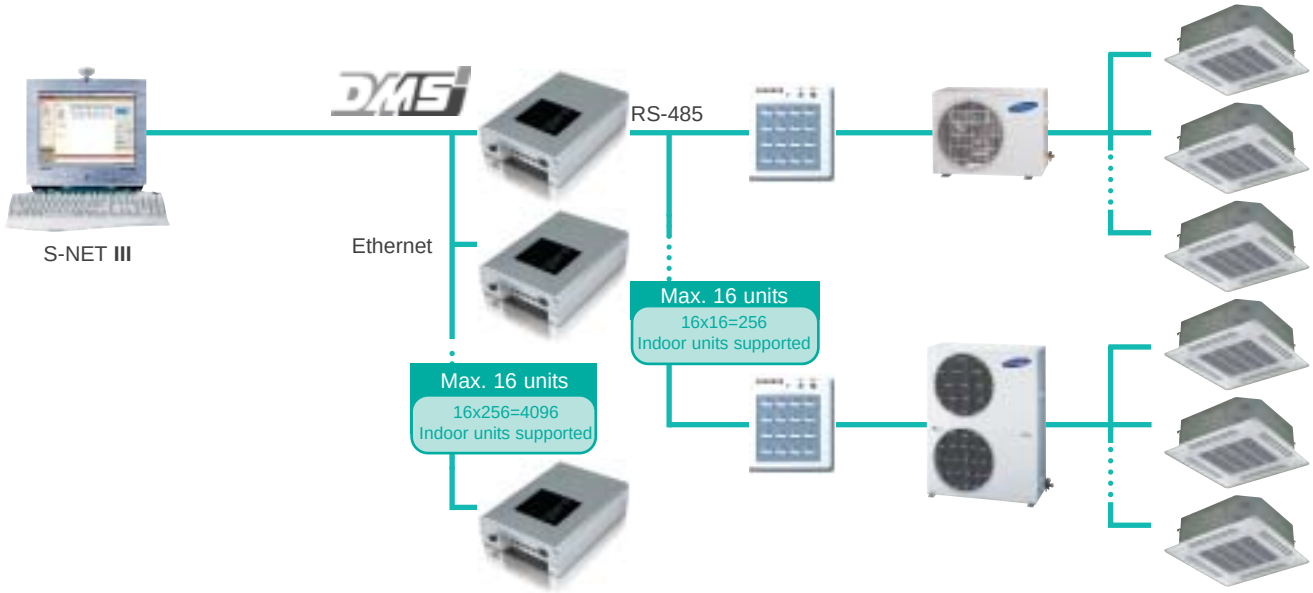
S-NET *i* (256 Group control)

MST-P2W

- Touch screen with user friendly interface
- Supports 4 DMS, 256 indoor units
- Colour LCD
- Power distribution
- Windows CE environment
- Individual/Multi/Total/Zone control
- Scheduling function
- User control restriction
- High-speed framework for large networks

S-NET III(4096 indoor unit control)

- Total management software for large site/multiple site
- Supports 16 DMS, 4,096 indoor units
- Error history and cycle data report
- Auto updates through the internet possible
- Supports Windows 2000, XP and later versions
- Scheduling function
- Data collection including power distribution data
- User control restriction
- ERV compatible

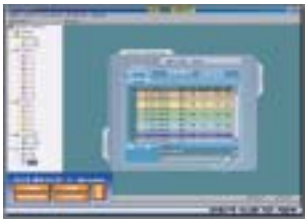


S-NET II Plus (256 Group control)

- 256 groups of indoor units can be controlled(At most 4096 indoor units can be controlled individually)
- Scheduling function
- Zone control
- User control restriction

256 group 4096 rooms control

Individual control


Schedule control

Zone control

S-NET Mini (Available in August 2007)

- Various integration options(With DMS, Centralised controller, interface module)
- Control and monitoring
- Scheduling function
- Individual/group control
- At most 256 groups can be controlled
- Error display
- 7 inch wide LCD
- Touch screen
- USB keyboard supported
- Zone control
- User control restriction

(Size: 240mm x 130mm x 32mm)

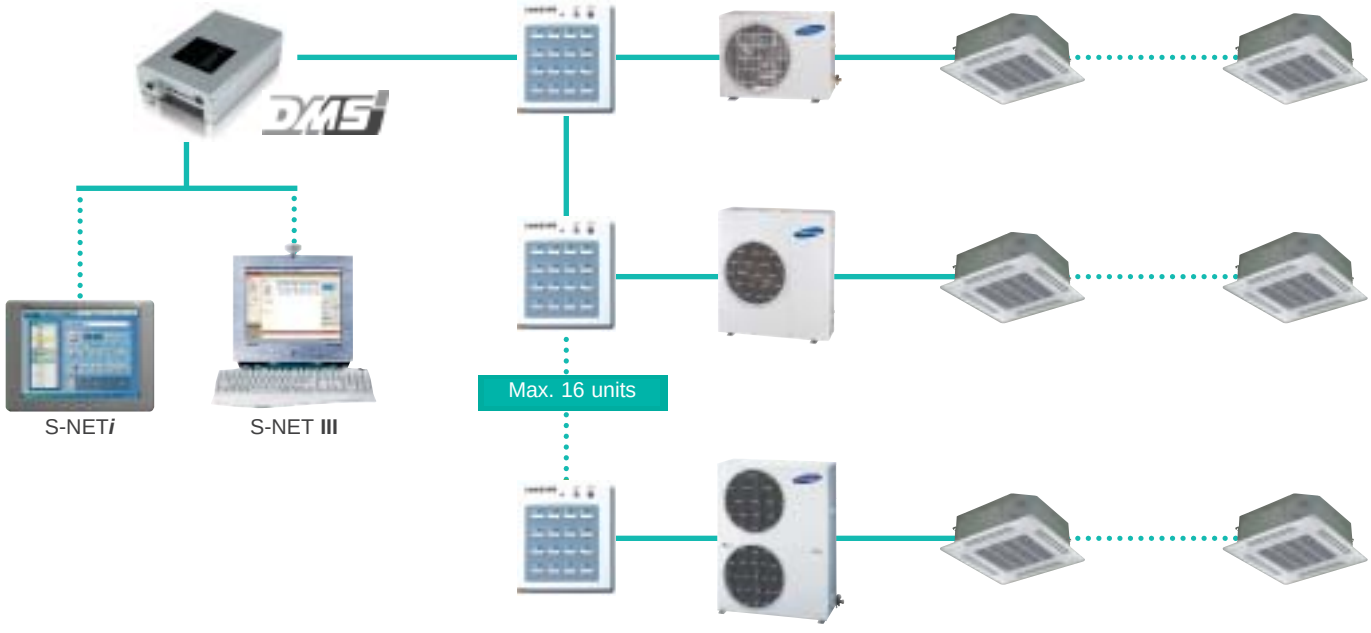
Smart Network Solutions

DMSi NEW (Data Management Server)

Samsung's Data Management Server (DMS) comprehensively manages and maintains information relative to the Air Conditioning system. Allowing you to monitor and control your on site Air Conditioning needs remotely and effectively. It also acts as a vital management tool for maintenance to ensue optimum operation. For single or multiple site use, DMS will provide the latest in Air Conditioning Control available.

MIM-D00

- Embedded Web server - PC not required, controlled over the internet
- 16 Centralised controllers supported
- Up to 256 indoor units can be group/individually controlled by one DMS
- Daily / Weekly / Yearly schedule control
- Compatible with multiple controllers(S-Neti, S-Net **III**)
- High speed framework for large networks
- Supports multiple users
- 2 Digital Inputs, 2 Digital outputs-emergency stop
- Current time is backed up for 24 hours when the power is cut off
- Important data is saved in the flash memory (62 Days worth of power distribution data.)
- Emergency stop function interlocked a fire alarm sensor



Interface Modules

MIM-B07

- Interface for Lon-Connection to Lonworks network
- Quick and easy installation
- Unlimited size
- Function : Lonworks protocol basis
- Communication : 485 to Lonworks
- Protocol for BMS

BIU-1000

- Interface module for BMS system, BACnet network
- Quick and easy set-up
- Unlimited size
- Function : BACnet protocol basis
- Communication : 485 to BACnet
- Protocol for BMS

* Extra purchase

Interface Modules for Centralised Controller

- MIM-B04(Mainly for DVM Plus, Free joint multi)
- MIM-B13(Mainly for DMS & DVM Plus II)

* Supports earlier version

Power Distribution Systems

PIM(Pulse Input Module)

MIM-B11

- Connection to pulse type power meter/DMS
- Used only for power distribution
- Used with pulse type power meters

SIM(Signal Input Module)

MIM-B12

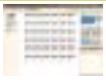
- Connection to signal type power meter/DMS
- Used only for power distribution
- Used only with selected RS485 type power meters

* Select the power meter after checking the compatibility with the SAMSUNG DVM

PDU

PDU(Power Distribution Unit)

The PDU is needed to distribute the power according to the variable demand of the indoor units with one outdoor unit. The PDU is extremely useful for different householders with indoor units connected to one outdoor unit.

Classification		Product		Model	Image	Application Model
Integrated Management System	Controller	DMS		MIM-D00		BAC, DVM, DMV PLUS, DVM PLUS **II**, FJM
		S-NET *i*		MST-P1W0		BAC, DVM, DMV PLUS, DVM PLUS **II**, FJM
		S-NET 3		MST-P3P		BAC, DVM, DMV PLUS, DVM PLUS **II**, FJM
		S-NET mini		MST-S3W		BAC, DVM, DMV PLUS, DVM PLUS **II**, FJM
	Interface Module	SIM		MIM-B12		DVM, DMV PLUS, DVM PLUS **II**, FJM
Centralized Control System	Controller	S-NET **II** Plus		MSP-S2P		BAC, DVM, DMV PLUS, DVM PLUS **II**, FJM
		Centralized Controller		MCM-A202		BAC, DVM, DMV PLUS, DVM PLUS **II**, FJM
		Function Controller		MCM-A100		BAC, DVM, DMV PLUS, DVM PLUS **II**, FJM
		Mode Selection Switch		MCM-C200		BAC, DVM, DMV PLUS, DVM PLUS **II**, FJM
	Interface Module	Interface Module of Centralized Controller		MIM-B04A		BAC, DVM, DMV PLUS, FJM
Individual Control System	Controller	Wireless Remote Controller		MR-AH01 BH01		Cassette, Wall Mounted, Ceiling, Duct (Need Receiver)
		Wired Remote Controller(Premium)		MWR-WS00		Cassette, Wall Mounted, Ceiling, Duct (Not applied to BAC)
		Wired Remote Controller		MWR-TH01		Cassette, Wall Mounted, Ceiling, Duct (Need Receiver)
		Duct Receiver Kit of Wireless Remote Controller	Receiver of Wireless Remote Controller	MRK-A01		Duct (Using for Wireless Remote Controller)
			Receiver Wire	MRW-10A		Duct (Using for Wireless Remote Controller) (Wire length : 10m)
		7-day Scheduler		MWR-BS00		Cassette, Wall Mounted, Ceiling, Duct
Building Management System		Lonworks		MIM-B07		BAC, DVM, DMV PLUS, DVM PLUS **II**, FJM
Guest Room Management System		Key-tag		MIM-B02		BAC, DVM, DMV PLUS, DVM PLUS **II**, FJM
		External Contact Controller		MIM-B14		DVM PLUS **II**, Mini DVM

imagine

Samsung Electronics (UK) Ltd.

Samsung House, 1000 Hillswood Drive, Chertsey, Surrey KT16 0PS
TEL: 01932 - 455000
FAX: 01932 - 455281

Website: www.samsung.co.uk

SPRING 2007